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CATALOGUE

OF

DIURNAL LEPIDOPTERA

DESCRIBED BY FABRICIUS

IN THE

COLLECTION

OF THE

BRITISH MUSEUM.

(Nat. hist.) Dept
B. 3 1099.

BY

ARTHUR GARDINER BUTLER, F.L.S., F.Z.S., &c.

LONDON:
PRINTED BY ORDER OF THE TRUSTEES.
1869.

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PREFACE.

The present Catalogue has been prepared with the view of identifying the species of Diurnal Lepidoptera described by Fabricius, by a comparison with the original type specimens, drawings, &c., of referring them to modern genera, and of adding some recent synonyma.

Rec'd 7-20-34 NYP

Fabricius's descriptions are spread over portions of the five following works, with their appendices and supplements :—

Systema Entomologiæ. 8vo, 1775.
Genera Insectorum. 8vo, 1776.
Species Insectorum. 8vo, 1781.
Mantissa Insectorum. 8vo, 1787.
Entomologia Systematica. 8vo, 1793.

The British Museum received as a present from the Linnean Society the collection of the late Sir Joseph Banks, which contains the original types from which Fabricius described many species; the Museum also contains, by purchase at Milne's, Stothard's, and other sales, several specimens which originally formed parts of Mr. Drury's collection and are the types from which Fabricius described other species.

Fabricius described some hundred species from a series of drawings made chiefly from his own collection by the late Mr. Jones of Chelsea, which were much consulted by the old entomologists; Fabricius always quoted these drawings as Jones's 'Icones.' They

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were formerly kindly lent to the Museum, and Mr. Doubleday named part of the Museum collection from them; he also made notes, as regards the Papilionidæ, in his copy of the 'Spécies Général des Lépidoptères,' now in the possession of Mr. Salvin, who kindly lent it for consultation. Donovan copied many of Jones's drawings; these copies are now in Hope's collection, under the care of Prof. Westwood, at Oxford; and Donovan published some of them in his 'Insects of India,' China, and the South Seas.

For several years it was not known what had become of these drawings; but fortunately Prof. Westwood discovered that they were in the possession of Francis Dawtrey Drewitt, Esq., of Christ's Church College, Oxford, who kindly allowed notes and sketches to be made from them for the use of this Catalogue, thus enabling the Museum specimens to be named from a comparison of the original drawings.

Fabricius described several species from the Hunterian Collection, which is now in the Museum at Glasgow. Mr. John Gibson, of Glasgow, and Mr. W. F. Kirby, of Dublin, have identified two or three of these species.

JOHN EDWARD GRAY.

December 3rd, 1869.

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CATALOGUE

OF

DIURNAL LEPIDOPTERA.

Order LEPIDOPTERA, *Linn.*

Section RHOPALOCERA, *Boisd.*

Family I. NYMPHALIDÆ, *Westwood,*

Gen. Diurn. Lepid. p. 143 (1852); *Bates, Journ. Entom.* p. 176 (1864).

Subfamily I. *DANAINÆ*, Bates,

Journ. Entom. p. 220 (1861), p. 176 (1864).

Genus 1. EUPLŒA, *Fabricius,*

Illiger's Magaz. vi. p. 280 (1808).

1. Euplœa Phænareta.

Papilio (D. F.) Midamus, *Cramer,* [Phænareta, *Schaller*] *Naturforscher,* part xxi. p. 177, pl. 5. figs. 1, 2 (1785).

Local form? ♀. Papilio (F.) Corus, *Fabricius,* "alis integerrimis nigris; omnibus serie duplici punctorum alborum; puncta quatuor alba in disco anticarum, duo in posticarum: habitat in India orientali."

Fabricius, Mant. Ins. p. 25. n. 260 (1787); *Ent. Syst.* iii. p. 41. n. 122 (1793).

Amboina and N. Ceram. (♂ obtained 1859, ♀ 1862; collected by A. R. Wallace, Esq.) B.M.

This species is the *Prothoë* of authors; but *Phænareta* is the older name. *Corus* has evidently no connexion with the *Core* of Cramer.

2. Euplœa superba.

Papilio (D. F.) Midamus (part.), *Fabricius* [superba, *Herbst*], "alis integerrimis, nigris albo punctatis: anticis supra cærulescentibus, posticis supra punctorum alborum striga: habitat in India orientali," *Natursyst. Schmett.* 119, 120 (1783–95).

Fabricius, Syst. Ent. (part.) p. 479. n. 161 (1775).

China. (Presented by E. Larkin, Esq.) B.M.

Note.—The locality "Cape of Good Hope?" inserted in a monograph of this genus (P. Z. S. 1866, p. 272) is an incorrect registration. The specimen so labelled was obtained during the voyage of H.M.S. 'Herald,' which visited the southern coast of China, amongst other places: the precise localities were not attached to the insects when captured, and the error resulted from a subsequent attempt to correct this omission.

3. Euplœa Tulliolus.

Papilio (F.) Tulliolus, *Fabricius*, "alis integerrimis: anticis atris, fascia maculari alba, posticis fuscis supra immaculatis; subtus albo punctatis: habitat in India." *Donovan, Nat. Repos.* ii. pl. 55 (1824).

Fabricius, Ent. Syst. iii. p. 41. n. 55 (1793).

Rockingham Bay, Australia. (Obtained 1850, from the voyage of H.M.S. 'Rattlesnake'; collected by Mr. Macgillivray) B.M.

4. Euplœa Midamus.

Papilio (D. F.) Midamus, *Linnæus*, "alis integerrimis nigris albido punctatis; primoribus supra cærulescentibus: posticis punctorum alborum linea: habitat in Asia," *Act. Stockh.* pl. 6. figs. 1, 2 (1748); see *P. Z. S.* p. 294 (1866).

Fabricius (part.), *Syst. Ent.* p. 479. n. 161 (1775).

*Local form, *Fabricius, Sp. Ins.* p. 52. n. 227 (1781); (part.), *Ent. Syst.* p. 39. n. 116 (1793).

♂. Sumatra (obtained 1854, formerly belonged to Sir Stamford Raffles); ♀ Penang (obtained 1843, from Mr. Lewis James). B.M.

**Local form* ♀. Papilio (D. F.) Claudius, *Fabricius* [Basilissa, *Cramer*], "alis integerrimis nigris: anticis cæruleo micantibus albo punctatis, posticis lineatis: habitat Tranquebariæ." *Pap. Exot.* iii. pl. 266. fig. C (1782).

Fabricius, Mant. Ins. p. 25. n. 261 (1787); *Ent. Syst.* iii. p. 40. n. 119 (1793).

Java. (Obtained 1849, from Mr. Argent) B.M.

5. Euplœa Diocletianus.

♀. Papilio (F.) Diocletianus, *Fabricius*, "alis integerrimis nigris: anticis fascia interrupta alba, posticis basi albo lineatis, apice punctatis duplici serie: habitat in India orientali."

♂. Papilio (F.) Radamanthus, *Fabricius*, "alis integerrimis nigris cæruleo micantibus: anticis macula marginali, posticis macula lineolisque quatuor albis: habitat in Asia." Thoosa, *Hübner, Samml. exot. Schmett.* pl. .

Fabricius, Ent. Syst. iii. pp. 40, 42. n. 118, 127 (1793).

♂, Malacca (obtained 1855; collected by A. R. Wallace, Esq.); ♀, Singapore (obtained from Mr. James). B.M.

If the name *Diocletianus* be objected to on account of its close resemblance to *Diocletia* of Hübner, the latter will have to be superseded by Erichson's *Megilla*. The typical *Radamanthus* is probably the form found in Java, though stated in Jones's 'Icones' to be Chinese.

6. Euplœa Sylvester.

Papilio (F.) Sylvester, *Fabricius*, "alis integerrimis fuscis, fascia maculari alba: habitat . . . ." *Donovan, Nat. Rep.* iv. pl. 129 (1826).

Fabricius, Ent. Syst. iii. p. 41. n. 124 (1793).

This is the *Melpomene* of Butler. Donovan's figure is not correct, but differs considerably in the size, number, and position of the spots, &c. on the under surface of the wings; the white band on the under surface (present in Jones's drawing) is entirely absent in his figure; and a reference to Donovan's original drawings in the Hope Collection at Oxford shows that his underside figure is drawn from memory, an indication of the position of the spots having been made on his sketch.

7. Euplœa Euphon.

Papilio (F.) Euphon, *Fabricius*, "alis integerrimis nigris: anticis albo punctatis, posticis ante apicem albis: habitat in Isle de France."

Euphone (sic), *Boisduval, Faune Ent. de Madag.* pl. 3. fig. 1 (1833).

Fabricius, Ent. Syst. suppl. p. 423. n. 184, 185 (1798).

Mauritius. (Obtained 1857, from Dr. Beke) B.M.

8. Euplœa Dryasis.

Papilio (F.) Dryasis, *Fabricius*, "alis integerrimis fuscis: anticis punctis duobus, subtus omnibus plurimis albis: habitat . . . ." *Donovan, Nat. Rep.* v. pl. 158 (1827).

Fabricius, Ent. Syst. iii. p. 39. n. 117 (1793).

Seems nearly allied to *Goudotii*, Boisd.: in the original figure, by Mr. Jones, the spots of the front wings are much smaller than in Donovan's representation.

Genus 2. DANAIS, *Latreille*,

Enc. Méth. ix. p. 10 (1819).

1. Danais Phædon.

Papilio (F.) Phædon, *Fabricius*, "alis repandis atris: anticis flavo punctatis, posticis fascia strigisque duabus punctatis flavis: habitat in Isle de France." *Boisduval, Faune Ent. de Madag.* pl. 3. fig. 3 (1833).

Fabricius, Ent. Syst. suppl. p. 423. n. 184, 185 (1798).

Mauritius. (Obtained 1845, from Herr J. J. Becker) B.M.

2. Danais Egialea.

Papilio (N. P.) Egialea, *Cramer*, "alis dentatis: anticis atris maculis, posticis fuscis disco, albis: habitat in Asia, Africa." *Pap. Exot.* ii. pl. 192. fig. D (1779).

Papilio (F.) Damocles, *Fabricius*, "alis integerrimis: anticis atris, posticis fuscis disco albis: habitat in Asia, Africa."

Fabricius, Sp. Ins. p. 102. n. 449 (1781); *Ent. Syst.* p. 41. n. 121 (1793).

Sherboro Island, Sierra Leone.
(Obtained 1867, from Mr. Salmon) B.M.

The *Damocles* of authors must henceforth be regarded as Westwood's species.

3. Danais Niavius.

Papilio (D. F.) Niavius, *Linnæus*, "alis integerrimis, nigris: anticis fascia alba, posticis macula communi baseos alba: habitat in Sierra Leone." *Clerck, Icon.* pl. 32. fig. 2 (1764); *Cramer, Pap. Exot.* ii. pl. 2. figs. F, G (1775).

Fabricius, Syst. Ent. p. 480. n. 192 (1775).

Niarius (sic), *Fabricius, Sp. Ins.* p. 52. n. 227 (1781).

Niavices (sic), *Fabricius, Mant. Ins.* p. 25. n. 262 (1787); *Ent. Syst.* iii. p. 40. n. 120 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

There are two fair specimens of *Niavius* in the Banksian Collection.

4. Danais Berenice.

Papilio (D. F.) Erippus, *Fabricius* [Berenice, *Cramer*], "alis integerrimis obscure testaceis, margine nigro albo punctato: posticarum disco immaculato, subtus nigro venoso punctis albis: habitat in China." *Pap. Exot.* iii. pl. 205. figs. E, F (1782).

Fabricius, Mant. Ins. p. 27. n. 282 (1787); *Ent. Syst.* iii. p. 49. n. 152 (1793).

Georgia. (Probably from Mr. Abbot's Collection) B.M.

5. Danais Gilippus.

Papilio (D. F.) Gilippus, *Cramer*, "alis integerrimis concolo-

ribus fulvis albo maculatis, margine atro punctis albis: habitat in America meridionali." *Pap. Exot.* i. pl. 26. figs. E, F (1775).

Fabricius, Gen. Ins. p. 258. n. 172, 173 (1776); *Sp. Ins.* p. 56. n. 274 (1781); *Mant. Ins.* p. 27. n. 286 (1787); *Ent. Syst.* iii. p. 52. n. 159 (1793).

Brazil. (Presented by Sir Charles Stewart) B.M.

6. **Danais Eresimus.**

Papilio (F.) Eresimus, *Cramer*, "alis repandis testaceis, apice margineque nigris albo punctatis: posticis subtus fascia maculari obsolete albida: habitat in Guinea." *Pap. Exot.* ii. pl. 175. figs. G, H (1779).

Fabricius, Ent. Syst. iii. p. 51. n. 157 (1793).

♂, ♀. Brazil. (From Mr. Children's Collection) B.M.

7. **Danais Archippus.**

Papilio (F.) Archippus, *Fabricius*, "alis repandis fulvis venis margineque albo punctato nigris: anticis maculis apicis fulvis: habitat in America meridionali"*.

Papilio (D. F.) Plexippus, *Cramer, Fabricius*, part. [nec *Linnæus*], "habitat in America boreali." *Pap. Exot.* i. pl. 3. figs. A, B (1779), iii. pl. 206. E, F (1781).

Fabricius, Sp. Ins. p. 55. n. 243 (1781); *Ent. Syst.* iii. p. 49. n. 151 (1793).

United States. (Presented by E. Doubleday, Esq.) B.M.

This is the northern form of Cramer's *Erippus*.

8. **Danais Chrysippus.**

Papilio (D. F.) Chrysippus, *Linnæus*, "alis integerrimis, fulvis, margine nigro punctis albis: posticis disco punctis nigris: habitat in India orientali."

Fabricius, Syst. Ent. p. 482. n. 172 (1775); *Sp. Ins.* p. 56. n. 245 (1781); *Mant. Ins.* p. 27. n. 284 (1787); *Ent. Syst.* iii. p. 50. n. 154 (1793).

Hong-Kong, China.
(Presented 1848, by J. C. Bowring, Esq.) B.M.

There are two specimens of *Chrysippus* in the Banksian Collection.

9. **Danais Alcippus.**

Papilio (D. F.) Alcippus, *Cramer*, "alis integerrimis fulvis margine nigro punctis albis, posticis disco albo, punctis nigris: habitat in America meridionali." *Pap. Exot.* ii. pl. 127. figs. E, F (1779).

* Fabricius seems to have included the whole of tropical America (North and South) under this habitat, although he generally mentioned North America as *borealis*.

Fabricius, Sp. Ins. p. 56. n. 246 (1781); *Mant. Ins.* p. 27. n. 285 (1787); *Ent. Syst.* iii. p. 50. n. 155 (1793).

Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

There is one specimen of *Alcippus* in the Banksian Collection.

10. **Danais Plexippus.**

Papilio (D. F.) Plexippus, *Linnæus*, "alis integerrimis, fulvis, venis nigris dilatatis, margine nigro-punctatis albis: habitat in America septentrionali."

Fabricius, Syst. Ent. p. 481. n. 170 (1775); *Mant. Ins.* p. 27. n. 281 (1787).

Hong-Kong, China.
(Presented 1848, by J. C. Bowring, Esq.) B.M.

There are two specimens of *Plexippus* in the Banksian Collection.

11. **Danais affinis.**

Papilio (N. P.) affinis, *Fabricius*, "alis dentatis, nigris, albo maculatis: posticis subtus limbo nigro, flavo alboque maculato: habitat in Nova Hollandia." *Donovan, Ins. Ind.* pl. 25. fig. 2 (1800).

Fabricius, Syst. Ent. p. 511. n. 291 (1775); *Sp. Ins.* p. 102. n. 447 (1781); *Mant. Ins.* p. 55. n. 542 (1787); *Ent. Syst.* iii. p. 58. n. 181 (1793).

New Holland, Australia. (Presented 1844, by the Haslar Hospital; collected by Mr. Bynoe, Surgeon, R.N.) B.M.

The type and a second specimen are in the Banksian Collection.

12. **Danais Melanippus.**

Papilio (D. F.) Hegesippus, *Cramer* [Melanippus, *var.*], "alis integerrimis concoloribus nigris albo maculatis: anticis basi fulvo, posticis albo lineatis: habitat in Sumatra." *Pap. Exot.* ii. pl. 180. fig. A (1779).

Fabricius, Sp. Ins. p. 56. n. 248 (1781); *Mant. Ins.* p. 27. n. 287 (1787); *Ent. Syst.* iii. p. 52. n. 160 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

13. **Danais similis.**

Papilio (N. P.) similis, *Linnæus*, "alis subrepandis, concoloribus punctis cærulescenti albis; versus basin lineatis: habitat in Asia." *Clerck, Icon.* pl. 16. fig. 2 (1764).

Fabricius, Syst. Ent. p. 511. n. 290 (1775).

China. (Presented 1848, by J. C. Bowring, Esq.) B.M.

In the Banksian Collection *similis* is represented by two other species, *Limniace*, Cramer, and *Leopardus*, Butler.

14. **Danais Limniace.**

Papilio (F.) similis (part.), *Frabricius* [Limniace, *Cramer*]. *Pap. Exot.* i. pl. 59. figs. D, E (1779); "habitat in India," *Fabr.*
Fabricius, Ent. Syst. iii. p. 58. n. 180 (1793).

Nepal. (Presented by Major-General T. Hardwicke) B.M.

15. **Danais Eryx.** *Pl. I f. 2.*

Papilio (F.) Eryx, *Fabricius*, "alis integerrimis concoloribus nigris basi albo striatis, apice punctatis: habitat Caiennæ."
Fabricius, Ent. Syst. suppl. p. 423. n. 180, 181 (1798).

Borneo. (Obtained 1845, from Mr. Cuming; collected by H. Lowe, Esq.) B.M.

This is the Bornean representative of *grammica*, which exactly suits the Fabrician description.

16. **Danais melaneus.**

Papilio (N. P.) similis (part.), *Fabricius* [melaneus, *Cramer*], "habitat in Asia." *Pap. Exot.* i. pl. 30. fig. D (1775).
Fabricius, Sp. Ins. p. 101. n. 446 (1781); *Mant. Ins.* iii. p. 55. n. 541 (1787).

Penang. (Presented by Sir William Norris) B.M.

17. **Danais Aspasia.**

♀. Papilio (H.) Aspasia, *Fabricius*, "alæ anticæ atræ basi hyalino striatæ, apice maculatæ: posticæ basi flavæ nervis nigris, apice nigræ hyalino punctatæ: habitat Tranquebariæ." *Var.* Crocea, *Butler, Proc. Zool. Soc.* pl. 4. fig. 5 (1865).
Fabricius, Mant. Ins. p. 15. n. 145 (1787); *Ent. Syst.* iii. p. 170. n. 526 (1793).

♂, Borneo (obtained 1856; collected by A. R. Wallace, Esq.); ♀ (presented 1860, by the Hon. East India Comp.). B.M.

A variety of *Aspasia*, having the bases of the front wings yellow in both sexes, represents *crocea*, Butl. There are both sexes of this species in the Banksian Collection.

Genus 3. LYCOREA*, *E. Doubleday*, *Gen. Diurn. Lepid.* p. 105 (1847).

1. **Lycorea Eva.**

Papilio (H.) Eva, *Fabricius*, "alis oblongis integerrimis concoloribus atris: anticis basi fulvo striatis, apice maculatis, posticis disco fulvo fascia atra: habitat Surinami."
Fabricius, Ent. Syst. iii. p. 162. n. 501 (1793).

* This genus has been shown by Messrs. Salvin and Bates to belong to the true *Danainæ*.

Santarem, Lower Amazons. (Obtained 1852; collected by H. W. Bates, Esq.) B.M.

Fabricius quotes Cramer's *Pasinuntia* for this species.

Genus 4. HESTIA (*Hübner*, part.), *Doubleday*, *Gen. Diurn. Lepid.* p. 94 (1847).

1. **Hestia Idea.**

Papilio (P.) Idea, *Linnæus*, "alis rotundatis, integerrimis, denudato albis, venis maculisque nigris: habitat in Indiis." *Clerck, Icon.* pl. 38. fig. 1 (1764); *Donovan, Ins. Ind.* pl. 24 (1800).
Fabricius, Syst. Ent. p. 468. n. 109 (1775); *Sp. Ins.* p. 37. n. 160 (1781); *Ent. Syst.* iii. p. 185. n. 573 (1793).

Amboina. (Obtained 1858; collected by A. R. Wallace, Esq.) B.M.

2. **Hestia Aza.**

Papilio (P.) Idea (part.), *Cramer* [Aza, *Boisduval*], *Pap. Exot.* iv. pl. 362. fig. D (1782).
Fabricius, Mant. Ins. p. 18, n. 182 (1787).

Bouru. (Obtained from Mr. Stevens; collected by A. R. Wallace, Esq.) B.M.

Subfamily II. *SATYRINÆ*, Bates, *Journ. Entom.* p. 176 (1864).

Genus 1. CÆROIS, *Hübner*, *Verz. bek. Schmett.* p. 56 (1816).

1. **Cærois Chorinæus.**

Papilio (D. F.) Chorinæus, *Fabricius*, "alis integerrimis, fuscis: anticis falcatis, fascia fulva, posticis caudatis: habitat Surinami." *Donovan, Nat. Repos.* iii. pl. 104 (1825).
Fabricius, Syst. Ent. p. 484. n. 182 (1775); *Sp. Ins.* p. 60. n. 267 (1781); *Mant. Ins.* p. 29. n. 307 (1787); *Ent. Syst.* iii. p. 72. n. 225 (1793).

Ega, Upper Amazons. (Obtained 1857; collected by H. W. Bates, Esq.) B.M.

There is one specimen of *Chorinæus* in the Banksian Collection.

2. **Cærois Gerdrudtus.**

Papilio (N.) Gerdrudtus, *Fabricius*, "alis caudatis, fuscis: anticis

macula apicis ocellari; subtus ferrugineis puncto anticarum albo, posticarum duobus: habitat . . . . ."

Fabricius, Ent. Syst. iii. p. 72. n. 224 (1793).

Panama. (One mutilated example) Coll. Salvin.

This beautiful and remarkable species is figured in Jones's unpublished 'Icones,' and has quite the appearance of a clipped and painted specimen of *Chorinæus*; but the fortunate existence of a dilapidated specimen in Mr. Salvin's Collection proves it to be a good and well-defined species.

Genus 2. MELANITIS, *Fabricius*, *Illiger's Magaz.* vi. p. 282 (1808).

1. **Melanitis Leda.**

Papilio (N. G.) Leda, *Linnæus*, "alis angulatis, fuscis: anticis supra ocello geminato: subtus griseo reticulatis, posticis ocellis sex: habitat in Africæ Sierra Leon."

Papilio (N. G.) Bankia, *Fabricius*, "alis angulatis, supra fuscis: anticis disco flavescente, ocello atro, pupilla gemina: habitat in nova Hollandia." *Donovan, Ins. New Holland*, pl. 25. fig. 1 (1805).

Papilio (N. G.) Solandra, *Fabricius*, "alis angulatis, fuscis: anticis ocello sesquialtero, posticis supra duobus, subtus quatuor: habitat in insula Otaheity." *Donovan, Ins. New Holland*, pl. 23. fig. 1 (1805).

Papilio (N. G.) Ismene, *Cramer* [Bankia, *Fabr. Sp. Ins.*], "alis angulatis supra fuscis, anticis disco flavescente, ocello atro, pupilla gemina: habitat in nova Hollandia."

Fabricius, Syst. Ent. pp. 499, 500. n. 243, 244, 246 (1775); *Sp. Ins.* pp. 84, 85. n. 370, 371, 376 (1781); *Mant. Ins.* pp. 45, 46. n. 448, 449, 454 (1787); *Ent. Syst.* iii. pp. 106, 108. n. 327, 328, 333 (1793).

Leda, Ceylon. (Presented 1852, by Dr. R. Templeton; collected by Mrs. Templeton) B.M.

Ismene, Nepal. (Presented by Major-General T. Hardwicke) B.M.

Solandra, Moreton Bay, Australia. (Presented 1856, by Mr. Gibbons) B.M.

Bankia, Australia. (Obtained 1850, from the voyage of H.M.S. 'Rattlesnake' [labelled "Pit, I."]; collected by Mr. Macgillivray) B.M.

The type of *Leda* (*Ismene* form) is in the Linnean Collection; there are two specimens of *Leda*, besides the types of *Solandra* and *Bankia* (agreeing with Donovan's figures), in the Banksian Collection.

Genus 3. GNOPHODES, *Westwood*, *Gen. Diurn. Lepid.* p. 363 (1851).

1. **Gnophodes Pythia.**

Papilio (N.) Pythia, *Fabricius*, "alis angulato-dentatis fuscis:

anticis macula albida, subtus griseis: posticis striga punctorum nigrorum: habitat in Guinea."

Fabricius, Ent. Syst. iii. p. 116. n. 357 (1793).

Labelled "Ashanti;" registered "Int^{r} of S. Africa." (Presented 1843, by the Earl of Derby) B.M.

There is one specimen of *Pythia* without a name, but labelled "Forster" (from whom it was probably received) in the Banksian Collection; it is identical with the *Betsimena* of Dr. Boisduval.

2. Gnophodes Chelys.

♀. Papilio (N.) Chelys, *Fabricius*, "alis dentato-caudatis fuscis, subtus variegatis, striga punctorum flavescentium: habitat in India."

Fabricius, Ent. Syst. iii. p. 80. n. 249 (1793).

Congo. (Presented 1843, by Dr. Richardson; collected by Andrew Curror, Esq., Surgeon, R.N.) B.M.

This is identical with *G. Morpena*, Butler, Cat. Sat. Brit. Mus. p. 7 (1868); see Jones's 'Icones' (unpublished).

Genus 4. TAYGETIS, *Hübner*,

Verz. bek. Schmett. p. 55 (1816).

1. Taygetis Celia.

Papilio (N.) Phorcys, *Fabricius* [Celia, *Cramer*], "alis dentato-subcaudatis fuscis: subtus obscurius strigosis: posticis punctis duobus cinereis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 33. fig. 2 (1800); *Pap. Exot.* iii. pl. 242. fig. C (1782).

Fabricius, Ent. Syst. iii. p. 80. n. 248 (1793).

Brazil. (Obtained 1840, at Mr. Children's sale) B.M.

This species, in the 'Genera of Diurnal Lepidoptera,' is referred to the genus *Hypanis*; our specimen (which agrees well with Donovan's figure) is entered in the register as "*Hipparchia Phorcys*."

2. Taygetis Virgilia.

Papilio (N.) Rebecca, *Fabricius* [Virgilia, var., *Cramer*], "alis dentato-caudatis fuscis immaculatis, subtus pallidioribus: strigis duabus brunneis punctisque subocellaribus albis: habitat in Guiana." *Pap. Exot.* i. pl. 96. fig. C (1779); at alis posticis supra ferrugineo marginatis. See *Cat. Sat. Brit. Mus.* p. 10 (1868).

Fabricius, Ent. Syst. iii. p. 75. n. 236 (1793).

Pará, Lower Amazons. (Presented 1845, by Gordon Grahame, Esq.) B.M.

3. **Taygetis Echo.**

Papilio (N. P.) Echo, *Cramer*, "alis dentatis fuscis, omnibus subtus striga punctorum alborum: habitat Surinami." *Pap. Exot.* i. pl. 57. figs. C, D (1779).

Fabricius, Sp. Ins. p. 91. n. 399 (1781); *Mant. Ins.* p. 49. n. 484 (1787); *Ent. Syst.* iii. p. 120. n. 368 (1793).

Brazil. (Obtained 1844, from Mr. Argent) B.M.

4. **Taygetis Andromeda.**

Papilio (S.) Laches, *Fabricius* [Andromeda, var., *Cramer*], "alis dentatis fuscis, fascia cærulea; ocellis anticarum quinque, posticarum sex: habitat in Guiana."

Fabricius, Ent. Syst. iii. p. 229. n. 717 (1793).

Pará, Lower Amazons. (Presented 1845, by Gordon Grahame, Esq.) B.M.

5. **Taygetis Penelea.**

Papilio (N. G.) Penelea, *Cramer*, "alis dentatis supra fuscis, subtus omnibus ocellis duobus: habitat Surinami." *Pap. Exot.* ii. pl. 101. fig. G (1779).

Fabricius, Spec. Ins. p. 71. n. 316 (1781); *Mant. Ins.* p. 35. n. 368 (1787); *Ent. Syst.* p. 92. n. 286 (1793).

Venezuela. (Obtained 1847, from Mr. Dyson) B.M.

The examination of Jones's 'Icones' having shown *T. Chelys* of modern authors to be distinct from the Fabrician species, which is identical with *Gnophodes Morpena* (Westw.), Butler, the name of *Xantippe* may be adopted for the *Taygetis*. The latter is most nearly allied to *T. Ypthima*, Hübner, but is larger, the upper surface is brown, the front wing below pale brown, with three darker bands relieved by a greyish ground on the apical margin, the apex fulvous; hind wings fulvous and ferruginous, with three darker equidistant transverse striæ and five ill-defined ocelli: varieties occur with a blackish castaneous subcostal streak from the base to the apex of the wings. We have this species from Brazil, obtained 1840, from Mr. Children's Collection.

Genus 5. EUPTYCHIA, *Hübner*,

Verz. bek. Schmett. p. 53 (1816).

1. **Euptychia Ocirrhoë.**

Papilio (N. G.) Ocirrhoë, *Fabricius*, "alis dentatis supra albis apice fuscis, subtus fuscis; fasciis duabus albis, posticis ocellis quinque: habitat Surinami."

Fabricius, Gen. Ins. p. 260. n. 216, 217 (1776); *Sp. Ins.* p. 74. n. 329 (1781); *Mant. Ins.* p. 37. n. 385 (1787); *Ent. Syst.* iii. p. 96. n. 297 (1793).

Rio Janeiro. (Obtained 1852, from Mr. Stevens) B.M.

There is one mutilated specimen of *Ocirrhoë* in the Banksian Collection.

2. Euptychia Lydia.

Papilio (N. P.) Lydia, *Cramer* [? Ocirrhoë ♀, local form], "alis dentatis flavis; supra margine nigro, subtus striga punctorum nigrorum: habitat Surinami." *Pap. Exot.* ii. pl. 148. figs. C, D (1779).

Fabricius, Sp. Ins. p. 99. n. 437 (1781); *Mant. Ins.* p. 54. n. 532 (1787); *Ent. Syst.* iii. p. 135. n. 416 (1793).

Not in the National Collection.

3. Euptychia Ocypete.

Papilio (N. G.) Ocypete, *Fabricius*, "alis dentatis supra fuscis immaculatis, subtus glaucis strigis tribus obscuris; posticis ocellis quinque: habitat Surinami."

Fabricius, Gen. Ins. p. 260. n. 216, 217 (1776).

Pará, Lower Amazons. (Obtained 1849; collected by H. W. Bates, Esq.) B.M.

4. Euptychia Helle.

Papilio (N. G.) Ocypete (part.), *Fabricius* [Helle, *Cramer*]. *Pap. Exot.* iii. pl. 194. figs. F, G (1781?).

Fabricius, Sp. Ins. p. 74. n. 328 (1781); *Mant. Ins.* p. 37. n. 384 (1787); *Ent. Syst.* iii. p. 96. n. 296 (1793).

Pará, Lower Amazons. (Obtained 1850; collected by H. W. Bates, Esq.) B.M.

5. Euptychia Penelope.

Papilio (N. G.) Penelope, *Fabricius*, "alis subdentatis fuscis, ocello unico: posticis subtus duobus: habitat in America." Clarissa, *Cramer, Pap. Exot.* iv. pl. 293. fig. D, E (1782).

Fabricius, Syst. Ent. p. 493. n. 217 (1775); *Sp. Ins.* p. 75. n. 330 (1781); *Mant. Ins.* p. 37. n. 386 (1787); *Ent. Syst.* iii. p. 96. n. 298 (1793).

Pará, Lower Amazons. (Obtained 1849; collected by H. W. Bates, Esq.) B.M.

6. Euptychia Eurytus.

Papilio (D. F.) Eurytus, *Fabricius*, "alis integerrimis, fuscis: anticis ocellis utrinque duobus: posticis supra unico, subtus quatuor; omnibus pupilla gemina: habitat in Jamaica." Cymela, *Cramer, Pap. Exot.* ii. pl. 132. figs. C, D (1779).

Fabricius, Syst. Ent. p. 487. n. 194 (1775); *Sp. Ins.* p. 65. n. 291 (1781); *Mant. Ins.* p. 32. n. 337 (1787).

Papilio (N.) Eurytris, *Fabricius, Ent. Syst.* iii. p. 157. n. 485 (1793).

St. John's Bluff. (Presented 1839, by E. Doubleday, Esq.) B.M.

7. Euptychia Argante.

Papilio (D. F.) Canthus (part.), *Fabricius* [Argante, *Cramer*], "alis integerrimis fuscis: subtus primoribus ocellis quatuor, posticis senis: habitat in America boreali." *Pap. Exot.* iii. pl. 204. figs. C, D (1781); perfuscata, *Butler, Cat. Sat. Brit. Mus.* pl. 5. fig. 5 (1868).

Fabricius, Sp. Ins. p. 64. n. 288 (1781); *Mant. Ins.* p. 31. n. 333 (1787).

Pará, Lower Amazons. (Obtained 1849; collected by H. W. Bates, Esq.) B.M.

8. Euptychia Crantor.

Papilio (N.) Crantor, *Fabricius*, "alis integerrimis fuscis: posticis supra ocello unico bipupillato, subtus quinque, primo quartoque bipupillatis: habitat in India."

Fabricius, Ent. Syst. iii. p. 158. n. 489 (1793).

Not in the National Collection.

9. Euptychia Sosybius.

Papilio (S.) Sosybius, *Fabricius*, "alis integerrimis supra fuscis immaculatis, subtus anticis ocellis quinque, posticis sex, intermediis cæcis: habitat . . . . ." *Boisduval & Leconte, Icon. Lep. Am. Sept.* i. pl. 63. figs. 1–4 (1829).

Fabricius, Ent. Syst. iii. p. 219. n. 684 (1793).

St. John's Bluff. (Presented 1839, by E. Doubleday, Esq.) B.M.

10. Euptychia Hermes.

Papilio (D. F.) Hermes, *Fabricius*, "alis integerrimis, supra fuscis, immaculatis: posticis subtus ocellis sex, tribus cæcis: habitat in Brazilia." Canthe, *Hübner, Samml. exot. Schmett.* i. pl. 87. figs. 1–4 (1806).

Fabricius, Syst. Ent. p. 487. n. 195 (1775).

Pernambuco, Brazil. (Presented 1844, by Mrs. J. P. G. Smith) B.M.

The type of *Hermes* is in the Banksian Collection.

11. Euptychia Doris.

♀. Papilio (N. G.) Doris, *Cramer*, "alis dentatis fuscis: subtus cæruleis nigro fasciatis, ocellis trium parium: habitat Surinami." *Pap. Exot.* i. pl. 8. figs. B, C (1775).

♀. Papilio (P. R.) Cephus, *Fabricius*, "alis integris, fuscis: subtus cæruleo fasciatis, anticis ocello unico, posticis quatuor: habitat in Indiis."

♂. Papilio (D. F.) Lysidice, *Cramer*, "alis integerrimis cæruleis, supra limbo, subtus fasciis atris: habitat Surinami." *Pap. Exot.* ii. pl. 169. figs. C, D (1779).

Cephus, *Fabricius, Syst. Ent.* p. 528. n. 359 (1775).

Doris, *Fabricius, Gen. Ins.* p. 262. n. 232, 233 (1776).

Lysidice, &c., *Fabricius, Sp. Ins.* pp. 62, 80, 127. n. 279, 353, 576 (1781); *Mant. Ins.* pp. 30, 43, 82. n. 322, 426, 730 (1787); *Ent. Syst.* pp. 101, 156, 315. n. 314, 480, 492 (1793).

Pará, Lower Amazons. (Obtained 1849; collected by H. W. Bates, Esq.) B.M.

There is a specimen of *Lysidice* in the Banksian Collection.

12. Euptychia Lea.

Papilio (N. G.) Arnæa (part.), *Fabricius* [Lea, *Cramer*]. *Pap. Exot.* ii. pl. 151. figs. C, D (1779).

Fabricius, Sp. Ins. p. 75. n. 331 (1781); *Mant. Ins.* p. 37. n. 387 (1787).

In his 'Species Insectorum' Fabricius queries this species as identical with his *Arnæa*; *Lea* is, however, widely distinct from that species, and seems nearly allied to *Junia*, of which it has been considered by some authors to be the female.

13. Euptychia Antonoë.

♀. Papilio (D. F.) Hermes (part.), *Fabricius* [Antonoë, *Cramer*], "alis integerrimis supra fuscis; ocelli tantum quinque, postico bipupillato: habitat in Brasilia." *Pap. Exot.* i. pl. 60. figs. E, F (1779).

Fabricius, Sp. Ins. p. 65. n. 292 (1781); *Mant. Ins.* p. 32. n. 339 (1787); *Ent. Syst.* p. 158. n. 486 (1793).

♀. Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

14. Euptychia Libye.

Papilio (N. G.) Libye, *Linnæus*, "alis dentatis, fuscis, subtus lineatis: posticis ocellis sex pupilla argentea: habitat in India." *Sulzer, Gesch.* pl. 17. fig. 7 (1776).

Fabricius, Syst. Ent. p. 494. n. 220 (1775); *Sp. Ins.* p. 75 n. 334 (1781); *Mant. Ins.* p. 37. n. 391 (1787); *Ent. Syst.* iii. p. 98. n. 303 (1793).

Honduras. (Obtained 1845, from Mr. Dyson) B.M.

15. Euptychia Cluena.

Papilio (S.) Clueria (sic), *Fabricius* [Cluena, *Drury*], "alis dentatis fuscis: posticis fascia cærulea; ocellis quinque atris, subtus fascia fusca: ocellis quinque: habitat ....." *Ill.* iii. pl. 7. figs. 5, 6 (1782).

Fabricius, Ent. Syst. iii. p. 229. n. 717 (1793).

South America. (Obtained 1844, from Mr. Argent) B.M.

The *Clueria* of Jones is identical with the Museum specimens.

16. Euptychia Arnæa.

Papilio (N. G.) Arnæa, *Fabricius*, "alis subdentatis fuscis: posticis cærulescentibus: subtus ocellis quinque: habitat Surinami." Ebusa, *Cramer, Pap. Exot.* iv. pl. 292. figs. F, G (1782).

Fabricius, Gen. Ins. p. 260. n. 217, 218 (1776).

Aranea (sic), *Fabricius, Ent. Syst.* p. 97. n. 299 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

Arnæa is figured in Jones's unpublished 'Icones.'

In his 'Species Insectorum' Fabricius queries the *Lea* of Cramer as his species.

17. Euptychia Tolumnia.

Papilio (N. G.) Tolumnia, *Cramer*, "alis dentatis atris, posticis subtus strigis ferrugineis cæruleisque, ocellis quinque, postico majore: habitat in India orientali," "à l'Isle de St. Thomas, aux Indes Occidentales." *Cramer, Pap. Exot.* ii. pl. 130. figs. F. G (1779).

Fabricius, Sp. Ins. p. 85. n. 374 (1781); *Mant. Ins.* p. 46. n. 451 (1787); *Ent. Syst.* p. 107. n. 330 (1793).

In the collections of Messrs. Hewitson and Salvin, from Cayenne.

18. Euptychia Phocion.

Papilio (S.) Phocion, *Fabricius*, "alis integerrimis supra fuscis immaculatis, posticis subtus strigis flavis ocellisque tribus oblongis: habitat....."

Fabricius, Ent. Syst. iii. p. 218. n. 683 (1793).

United States. (Registration incomplete) B.M.

19. Euptychia Cornelius.

Papilio (S.) Cornelius, *Fabricius*, "alis integerrimis obscure cinereis: posticis ocellis quatuor approximatis: habitat....." Gemma, *Hübner, Samml. exot. Schmett. Zuträge*, figs. 7, 8 (1806).

Fabricius, Ent. Syst. iii. p. 220. n. 689 (1793).

Cornélius is referred to the genus *Eurygona* in the 'Genera of Diurnal Lepidoptera.'

Genus 6. CŒNONYMPHA, *Hübner*,
Verz. bek. Schmett. p. 65 (1816).

1. Cœnonympha Geticus.

Papilio (D. F.) Œdippus, *Fabricius* [Geticus, var., *Esper*], "alis integerrimis supra nigris immaculatis, subtus fuscis: anticis ocellis subtribus, posticis quinque: habitat in Russia australiore." *Godart, Lép. de France*, ii. pl. 19. figs. 5, 6, var. (1822).

Var. Papilio (S.) Miris, *Fabricius*, "alis integerrimis fuscis: pos-

ticis supra ocellis duobus minutis, subtus sex, exteriore remoto: habitat in Germania."

Fabricius, Mant. Ins. p. 31. n. 335 (1787); *Ent. Syst.* iii. p. 218. n. 681 (1793); *Ent. Syst.* suppl. p. 429. n. 693, 694 (1798).

Russia. (Obtained 1842, from Herr J. J. Becker) B.M.

2. **Cœnonympha Hero.**

Papilio (P. R.) Hero, *Linnæus*, "alis integerrimis, fuscis: subtus primoribus ocellis duobus, posticis senis," *Linn.*; "subtus anticis ocello," *Fabr.* "Habitat in Europa."

Papilio (P. R.) Sabæus, *Fabricius*, "alis integerrimis, fuscis: posticis supra ocellis quatuor cæcis, subtus sex pupillatis: habitat in Lipsiæ nemoribus."

Fabricius, Syst. Ent. p. 530. n. 371, 372 (1775); *Sp. Ins.* p. 67. n. 302, 303 (1781); *Mant. Ins.* p. 33. n. 351, 352 (1787); *Ent. Syst.* iii. p. 222. n. 694, 695 (1793).

France. (Presented by Dr. W. E. Leach) B.M.

3. **Cœnonympha Arcanius.**

Papilio (P. R.) Arcanius, *Linnæus* [Arcania, *Faun. Suec.*], "alis integerrimis, ferrugineis: subtus anticis ocello unico, posticis quinis, primo fascia remoto: habitat in Europæ sylvis."

Fabricius, Syst. Ent. p. 530. n. 369 (1775); *Sp. Ins.* p. 67. n. 301 (1781); *Mant. Ins.* p. 33. n. 349 (1787); *Ent. Syst.* iii. p. 221. n. 692 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

There is one specimen of *Arcanius* in the Banksian Collection.

4. **Cœnonympha Leander.**

Papilio (D. F.) Leander, *Fabricius*, "alis integerrimis fuscescentibus (fulvis) posticis subtus cinereis apice fulvis, ocellis sex: habitat in Europa australiore." *Eur. Schmett.* i. pt. 2. pl. 89. fig. 5 (1777.)

Fabricius, Mant. Ins. p. 33. n. 350 (1787); *Ent. Syst.* iii. p. 222. n. 693 (1793).

Hungary. (Obtained 1845, from Herr J. J. Becker) B.M.

5. **Cœnonympha Pamphilus.**

Papilio (P. R.) Pamphilus, *Linnæus*, "alis integerrimis flavis: subtus anticis ocello unico, posticis cinereis, fascia ocellisque quatuor oblitteratis: habitat in Europæ pratis sylvaticis."

Fabricius, Syst. Ent. p. 529. n. 360 (1775); *Sp. Ins.* p. 66. n. 230 (1781); *Mant. Ins.* p. 33. n. 348 (1787); *Ent. Syst.* iii. p. 221. n. 691 (1793).

Europe. (From Mr. Children's Collection) B.M.

There are two specimens of *P. Pamphilus* in the Banksian Collection in the British Museum.

6. Cœnonympha Tullia.

Papilio (D. F.) Davus, *Fabricius* [P. Tullia, *Müller*], "alis integerrimis fulvis: anticis ocellis duobus, posticis sex cæcis, subtus pupillatis: habitat Hamburgi."

Fabricius, Gen. Ins. p. 259. n. 201, 202 (1776); *Sp. Ins.* p. 66. n. 299 (1781); *Mant. Ins.* p. 33. n. 347 (1787); *Ent. Syst.* iii. p. 221. n. 690 (1793).

Germany. (Presented by Dr. W. E. Leach) B.M.

Fabricius, in his 'Mantissa,' places *P. Tullia* as a synonym of *P. Davus*; the latter, however, is the more recent name of the species.

Genus 7. TRIPHYSA, *Zeller*,

Ent. Zeit. p. 311 (1850).

1. Triphysa Phryne.

Papilio (D. F.) Phryneus, *Fabricius* [P. Phryne, *Esper*], "alis integerrimis supra albis subtus fuscis, albo venosis: ocellis quinque: habitat in Russiæ australioris desertis." *Eur. Schmett.* i. pt. 2. pl. 89. figs. 3, 4 (1777).

Fabricius, Mant. Ins. p. 33. n. 354 (1787); *Ent. Syst.* iii. p. 222. n. 697 (1793).

Eastern Russia. (Obtained from Herr J. J. Becker) B.M.

Genus 8. HIPPARCHIA, *Fabricius*,

Illiger, Mag. vi. p. 281 (1808).

1. Hipparchia Proserpina.

Papilio (N. G.) Circe, *Fabricius* [P. Proserpina, *Denis*], "alis dentatis, fuscis; fascia utrinque alba: anticis ocello unico: habitat in Europa." *Roesel, Insektenbelust.* iv. pl. 27. figs. 3, 4 (1761).

Fabricius, Syst. Ent. p. 495. n. 226 (1775); *Sp. Ins.* p. 77. n. 342 (1781); *Mant. Ins.* p. 39. n. 403 (1787); *Ent. Syst.* iii. p. 233. n. 728 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

The type of *P. Circe* and a second specimen are in the Banksian Collection in the British Museum.

2. Hipparchia Fagi.

Papilio (N. G.) Hermione, *Linnæus* [P. Fagi, *Scopoli*], "alis dentatis, fuscis, fascia pallida: anticis ocellis supra duobus, subtus unico: habitat in Germania, Gallia."

Fabricius, Syst. Ent. p. 495. n. 225 (1775); *Sp. Ins.* p. 77.

n. 341 (1781); *Mant. Ins.* p. 39. n. 402 (1787); *Ent. Syst.* iii. p. 232. n. 726 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

There are two specimens of *P. Fagi* in the Banksian Collection in the British Museum.

3. Hipparchia Hippolyte.

Papilio (N. G.) Alcyone, *Fabricius* nec *Denis* [P. Hippolyte, *Esper*], "alis dentatis fuscis flavo fasciatis: anticis utrinque ocellis duobus, posticis subtus marmoratis: habitat in Russiæ australioris montosis." P. Agave, *Esper, Eur. Schmett.* i. pt. 2. pl. 84. fig. 4 (1777).

Fabricius, Mant. Ins. p. 38. n. 399 (1787); *Ent. Syst.* iii. p. 231. n. 724 (1793).

Russia. (Obtained 1842, from Herr J. J. Becker) B.M.

4. Hipparchia Antonoë.

Papilio (N. G.), Antonoë, *Esper*, "alis dentatis fuscis flavo subfasciatis ocellisque duobus pupillatis, anticis subtus basi fuscis: habitat in Russia australiore." *Eur. Schmett.* i. pt. 2. pl. 86. figs. 1–3 (1777.)

Fabricius, Mant. Ins. p. 38. n. 398 (1787); *Ent. Syst.* iii. p. 231. n. 723 (1793).

Russia. (Obtained 1842, from Herr J. J. Becker) B.M.

5. Hipparchia Arethusa.

Papilio (N. G.) Arethusa, *Denis*, "alis dentatis supra fuscis: fascia maculari rufa: anticis utrinque ocello unico: habitat in Germania." *Esper, Eur. Schmett.* i. pt. 2. pl. 69. figs. 3, 4 (1777).

Fabricius, Mant. Ins. p. 39. n. 401 (1787); *Ent. Syst.* iii. p. 232. n. 726 (1793).

Germany. (Obtained 1840, at Mr. Children's sale) B.M.

6. Hipparchia Briseis.

Papilio (N. G.) Briseis, *Linnæus*, "alis subdentatis supra fuscis viridi micantibus, primoribus ocellis duobus, subtus nigro bimaculatis: habitat in Germania." *Hübner, Eur. Schmett.* i. pl. 28. figs. 130, 131 (1805).

Fabricius, Sp. Ins. p. 76. n. 339 (1781); *Mant. Ins.* p. 38. n. 396 (1787); *Ent. Syst.* iii. p. 231. n. 721 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

One specimen of *P. Briseis* besides the variety *P. Pirata*, Esper, in the Banksian Collection in the British Museum.

7. Hipparchia Semele.

Papilio (N. G.) Semele, *Linnæus*, "alis dentatis, fuscis, fulvo subfasciatis: posticis albo nigroque variegatis: habitat in Europæ sylvis." ♀, *Esper, Schmett.* i. pt. 1. pl. 8. fig. 1 (1777).

Fabricius, Syst. Ent. p. 494. n. 224 (1775); *Sp. Ins.* p. 76. n. 340 (1781); *Mant. Ins.* p. 39. n. 400 (1787); *Ent. Syst.* iii. p. 232. n. 725 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

Two male specimens of *P. Semele* in the Banksian Collection in the British Museum.

8. **Hipparchia Statilinus.**

Papilio (D. F.) Fauna, *Esper* [P. Statilinus, *Hufnagel*], "alis dentatis supra fuscis: anticis ocellis duobus punctisque duobus albis, posticis subtus griseis: habitat in Germaniæ pinetis." *Eur. Schmett.* i. pt. 2. pl. 63. fig. 1 (1777).

Fabricius, Mant. Ins. p. 35. n. 371 (1787); *Ent. Syst.* iii. p. 226. n. 709 (1793).

France. (Obtained 1840–41, from Herr J. J. Becker) B.M.

Local form. Papilio (N. G.) Allionia, *Esper*, "alis dentatis fuscis, anticis subtus ocellis duobus, posteriore cæco: habitat in Lusitania." *Eur. Schmett.* i. pt. 2. pl. 105. fig. 4 (1777).

Fabricius, Sp. Ins. p. 83. n. 366 (1781); *Mant. Ins.* p. 45. n. 442 (1787); *Ent. Syst.* p. 104. n. 322 (1793).

Naples. (Presented 1841, by John Bowring, Esq.) B.M.

9. **Hipparchia Fidia.**

Papilio (N. G.) Fidia, *Linnæus*, "alis dentatis, supra fuscis, cæruleo micantibus: anticis ocellis duobus punctisque duobus albis: habitat in Africa."

Fabricius, Syst. Ent. p. 491. n. 209 (1775); *Sp. Ins.* p. 71. n. 317 (1781); *Mant. Ins.* p. 35. n. 370 (1787); *Ent. Syst.* p. 225. n. 706 (1793).

Gibraltar. (Obtained 1866, from Mr. Whitely) B.M.

There are two specimens of *P. Fidia* in the Banksian Collection in the British Museum.

Subgenus 1. SATYRUS, *Westwood*,
Gen. Diurn. Lepid. p. 388 (1851).

1. **Satyrus Actæa.**

Papilio (N. G.) Actæa, *Esper*, "alis repandis supra fuscis: anticis ocellis duobus punctisque duobus albis, posticis subtus marmoratis: habitat in Russia australiore." *Eur. Schmett.* i. pt. 2. pl. 85. fig. 4 (1777).

Fabricius, Mant. Ins. p. 35. n. 369 (1787); *Ent. Syst.* iii. p. 225. n. 705 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

2. Satyrus Ferula.

Papilio (S.) Ferula, *Fabricius*, "alis repandis nigris: subtus anticis ocellis duobus, posticis fascia cinerea: habitat in Italia."

Var. Papilio (S.) Cordula, *Fabricius*, "alis dentatis fuscis; utrinque anticis ocellis duobus punctisque duobus albis, posticis punctis duobus atris: habitat in Italia." *Godart, Lép. de France*, ii. pl. 12. figs. 3, 4 (1822).

Fabricius, Ent. Syst. iii. pp. 225, 226, n. 707, 708 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

3. Satyrus Dryas.

Papilio (N. G.) Phædra, *Linnæus* [P. Dryas, *Scopoli*], "alis dentatis fuscis, concoloribus: anticis ocellis duobus violaceis: habitat in Europa." *Esper, Schmett.* i. pt. 1. pl. 40. figs. 1, 2 (1777).

Fabricius, Syst. Ent. p. 495. n. 227 (1775); *Sp. Ins.* p. 78. n. 343 (1781); *Mant. Ins.* p. 39. n. 404 (1787); *Ent. Syst.* iii. p. 233. n. 729 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

There are two specimens of *P. Dryas* in the Banksian Collection in the British Museum.

4. Satyrus Alope.

Papilio (S.) Alope, *Fabricius*, "alis dentatis fuscis: anticis utrinque fascia flava; ocellis duobus, posticis ocello supra unico subtus sex: habitat in India."

Fabricius, Ent. Syst. iii. p. 229. n. 715 (1793).

North America, Massachusetts. (Obtained 1839, from Prof. Shepard) B.M.

5. Satyrus Pegala.

Papilio (N. G.) Pegala, *Fabricius*, "alis dentatis fuscis: anticis fascia rufa ocelloque unico, posticis supra ocello, subtus sex: habitat in America."

Fabricius, Syst. Ent. p. 494. n. 223 (1775); *Sp. Ins.* p. 76. n. 338 (1781); *Mant. Ins.* p. 38. n. 395 (1787); *Ent. Syst.* p. 230. n. 720 (1793).

Not in the Collection of the British Museum.

6. Satyrus Hyperantus.

Papilio (D. F.) Hyperanthus, *Fabricius* [P. Hyperantus, *Linnæus*], "alis integerrimis, fuscis: subtus anticis ocellis tribus, posticis duobus tribusque: habitat in Europæ graminibus."

Fabricius, Syst. Ent. p. 486. n. 192 (1775); *Sp. Ins.* p. 64. n. 289 (1781); *Mant. Ins.* p. 31. n. 334 (1787); *Ent. Syst.* iii. p. 216. n. 677 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

Two bad specimens of *P. Hyperantus* in the Banksian Collection in the British Museum.

Genus 9. EPINEPHELE, *Hübner*, *Verz. bek. Schmett.* p. 59 (1816).

1. Epinephele Eudora.

Papilio (N. G.) Eudora, *Esper*, "alis dentatis fuscis: anticis utrinque disco ferrugineo: ocello maris unico, fœminæ duobus: habitat in Germaniæ sylvis." *Eur. Schmett.* i. pt. 2. pl. 69. figs. 1, 2 (1777).

Fabricius, Mant. Ins. p. 44. n. 435 (1787); *Ent. Syst.* iii. p. 243. n. 755 (1793).

Germany. (Obtained 1840, from Herr J. J. Becker) B.M.

2. Epinephele Janira.

♂. Papilio (N. G.) Janira, *Linnæus*, "alis dentatis, fuscis: anticis subtus luteis, ocello utrinque unico; posticis subtus punctis tribus: habitat in Europæ sylvis."

♀. Papilio (N. G.) Jurtina, *Linnæus*, "alis subdentatis, fuscis: anticis supra litura flava, ocello utrinque unico: habitat frequens in Europæ graminosis."

Fabricius, Syst. Ent. pp. 497, 498, n. 235, 236 (1775); *Sp. Ins.* p. 81. n. 358, 359 (1781); *Mant. Ins.* p. 44. n. 433 (1787); *Ent. Syst.* iii. p. 241. n. 752 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

Both sexes of *P. Janira* are in the Banksian Collection in the British Museum.

3. Epinephele Tithonius *.

Papilio (N. G.) Pilosellæ, *Fabricius* [P. Tithonius, var., *Linnæus*], "alis dentatis, fuscis, disco fulvo: anticis utrinque ocello nigro, pupilla gemina: habitat in *pilosella*, *Plantagine* Germaniæ."

Fabricius, Syst. Ent. p. 497. n. 233 (1775); *Sp. Ins.* p. 80. n. 355 (1781); *Mant. Ins.* p. 43. n. 428 (1787); *Ent. Syst.* iii. p. 240. n. 748 (1793).

England. (Obtained 1853, from Mr. J. F. Stephens) B.M.

The type of *P. Pilosellæ* is in the Banksian Collection in the British Museum.

4. Epinephele Ida.

Papilio (N. G.) Ida, *Esper*, "alis subdentatis fuscis, disco fulvo: anticis utrinque ocello nigro bipupillato, posticis subtus griseo variis: habitat in Gibraltar." *Eur. Schmett.* i. pt. 2. pl. 92. fig. 2, and pl. 102. fig. 3 (1777).

* The *P. Amaryllis* of Geoffroy is a binomial name, but many of the other names in the same book are not so.

Fabricius, Mant. Ins. p. 43. n. 429 (1787); *Ent. Syst.* iii. p. 240. n. 749 (1793).

Europe, "Malta." B.M.

5. Epinephele Pasiphaë.

Papilio (N. G.) Salome, *Fabricius* [P. Pasiphaë, *Esper*], "alis anticis fuscis; fascia rufa: anticis ocello, posticis tribus, subtus striga dentata alba ocellisque quinque: habitat in Gibraltar." *Esper, Eur. Schmett.* i. pt. 2. pl. 67. fig. 4 (1777).

Var. Papilio (S.) Bathseba, *Fabricius*, "alis repandis fuscis: disco ferrugineo: anticis utrinque ocello bipupillato, posticis subtus fuscis: fascia alba: habitat in Barbaria."

Fabricius, Mant. Ins. p. 42. n. 419 (1787); *Ent. Syst.* iii. pp. 235, 236, n. 733, 734 (1793).

France. (Obtained 1841, from Herr J. J. Becker) B.M.

Genus 10. LEPTONEURA, *Wallengren*,

Lep. Rhop. Caffr. Kongl. Vetensk. p. 31 (1857).

1. Leptoneura Clytus.

Papilio (D. F.) Clytus, *Linnæus*, "alis integerrimis, fuscis: anticis fascia flava ocelloque bipupillato; posticis subtus septempunctatis: habitat in Africa."

Var. Papilio (N. G.) Tisiphone, *Walch*, "alis dentatis fuscis: anticis ocellis utrinque duobus, posticis sex pupilla violacea: habitat in Germaniæ sylvis." *Naturforscher*, pt. 6. p. 16, pl. 1. figs. 1, 2 (1775).

Fabricius, Syst. Ent. p. 485. n. 188 (1775); *Gen. Ins.* p. 263. n. 236, 237 (1776); *Sp. Ins.* pp. 63, 82, n. 283, 360 (1781); *Mant. Ins.* pp. 30, 44, n. 327, 436 (1787); *Ent. Syst.* iii. pp. 214, 243, n. 671, 757 (1793).

Cape Colony, South Africa. (Obtained 1840, from Dr. Krauss) B.M.

Genus 11. EREBIA, *Dalman*,

Kongl. Vetensk. Akad. Handl. pp. 58 & 81 (1816).

1. Erebia Epiphron.

Papilio (N. G.) Epiphron, *Knoch*, "alis integris nigris, fascia rubra; anticis supra ocellis duobus subtus tribus; posticis supra tribus subtus quinque: habitat in Germaniæ montosis." *Beiträge*, iii. pl. 6. fig. 1 (1781–3).

Var. Papilio (N. G.) Cassiope, *Fabricius*, "alis integris fuscis: fascia rufa; punctis tribus ocellaribus nigris, posticis subtus punctis: habitat in Austriæ gramine."

Fabricius, Mant. Ins. pp. 40, 42, n. 411, 417 (1787); *Ent. Syst.* iii. pp. 235, 238, n. 735, 742 (1793).

P. Epiphron, Spain (obtained 1850); *P. Cassiope*, Russia (obtained 1842, from Herr J. J. Becker). B.M.

2. Erebia Arete.

Papilio (N. G.) Arete, *Fabricius*, "alis integris fuscis; fascia rufa; posticis utrinque striga punctorum alborum: habitat in Austriæ montosis." *Hübner, Eur. Schmett.* i. pl. 50. figs. 231, 232 (1805).

Fabricius, Mant. Ins. p. 42. n. 418 (1787); *Ent. Syst.* iii. p. 238. n. 743 (1793).

Not in the Collection of the British Museum.

3. Erebia Pyrrha.

Papilio (N. G.) Pyrrha, *Denis*, "alis integris fuscis; fascia rubra, anticarum nigro punctata, posticarum maculari: habitat in Austria."

Fabricius, Mant. Ins. p. 42. n. 416 (1787); *Ent. Syst.* iii. p. 237. n. 741 (1793).

Russia. (Obtained 1842, from Herr J. J. Becker) B.M.

Local form. Papilio (N. G.) Erina, *Denis*, "alis dentatis fuscis; fascia maculari fulva, punctis ocellaribus nigris: habitat in Germania." P. Manto, *Esper, Eur. Schmett.* i. pt. 2. pl. 70. figs. 2, 3 (1777).

Fabricius, Mant. Ins. p. 41. n. 414 (1787); *Ent. Syst.* iii. p. 237. n. 739 (1793).

Germany. (Obtained 1843, from Herr J. J. Becker) B.M.

4. Erebia Arachne.

Papilio (N. G.) Arachne, *Fabricius* [nec *Denis*], "alis integris atris: anticis utrinque fascia rufa ocellis duobus, posticis subtus fascia dentata cinerea: habitat in Austria."

Fabricius, Mant. Ins. p. 41. n. 415 (1787); *Ent. Syst.* iii. p. 237. n. 740 (1793).

Germany. (Obtained 1843, from Herr J. J. Becker) B.M.

5. Erebia Medea.

Papilio (N. G.) Blandina, *Fabricius* [P. Medea, *Denis*], "alis dentatis fuscis, fascia rufa ocellata; posticis subtus fuscis, fascia cinerea: habitat in Germania."

Fabricius, Mant. Ins. p. 41. n. 412 (1787); *Ent. Syst.* iii. p. 236. n. 736 (1793).

? Germany. (Obtained 1840, from Mr. Children's Collection) B.M.

6. Erebia Ligea.

Papilio (N. G.) Ligea, *Linnæus*, "alis dentatis, fuscis, fascia

rufa: utrinque anticis ocellis quatuor, posticis tribus: habitat in Europæ sylvis."

Fabricius, Syst. Ent. p. 496. n. 229 (1775); *Sp. Ins.* p. 78. n. 347 (1781); *Mant. Ins.* p. 40. n. 409 (1787); *Ent. Syst.* iii. p. 234. n. 732 (1793).

Switzerland. (Presented 1846, by W. C. Hewitson, Esq.) B.M.

A worn specimen of Freyer's *P. Eumenis* is labelled as *P. Ligea* in the Banksian Collection in the British Museum.

7. Erebia Tyndarus.

Papilio (S.) Dromus, *Fabricius* [P. Tyndarus, var., *Esper*], "alis integerrimis nigris: anticis utrinque disco rufo, ocello gemino: habitat in Italia."

Fabricius, Ent. Syst. iii. p. 224. n. 701 (1793).

Switzerland. (Presented 1846, by W. C. Hewitson, Esq.) B.M.

P. Dromus differs from the typical form of *E. Tyndarus* in having the under surface of the hind wings of a uniform grey colour without darker markings.

8. Erebia Manto.

Papilio (N. G.) Manto, *Denis*, "alis integris fuscis, punctis ocellaribus anticarum tribus, posticis subtus cinereis fusco undatis: habitat in Austria." *Hübner, Eur. Schmett.* i. pl. 101. figs. 512–514 (1805).

Fabricius, Mant. Ins. p. 38. n. 397 (1787); *Ent. Syst.* iii. p. 231. n. 722 (1793).

Switzerland. (Presented 1846, by W. C. Hewitson, Esq.) B.M.

9. Erebia Embla.

Papilio (S.) Ethus, *Fabricius* [P. Embla, *Thunberg*, 1791], "alis integerrimis fuscis: anticis ocello bipupillato, posticis supra ocellis tribus, subtus atris puncto medio albo: habitat in Laponiæ summis alpibus."

Fabricius, Ent. Syst. iii. p. 217. n. 680 (1793).

Lapland. (Obtained 1840, from Mr. Children's Collection) B.M.

10. Erebia Disa.

Papilio (S.) Griela, *Fabricius* [P. Disa, *Thunberg*, 1791], "alis subdentatis atris: anticis utrinque ocellis quatuor connatis: habitat in Lapponiæ summis alpibus."

Fabricius, Ent. Syst. iii. p. 236. n. 737 (1793).

Lapland. (Presented 1843, by J. R. Crowe, Esq., H.B.M. Consul, Alten) B.M.

11. **Erebia Medusa.**

Papilio (N. G.) Medusa, *Denis*, "alis subdentatis concoloribus fuscis, omnibus fascia maculari flava, ocellis subquatuor: habitat in Austriæ punica." P. Ligea, *Esper, Eur. Schmett.* i. pt. 1. pl. 7. fig. 2 (1777).

Race. Papilio (N.) Mergus, *Fabricius*, "alis integerrimis concoloribus fuscis: anticis ocellis quatuor, anteriore pupilla gemina, posticis quinque: habitat in Africa." P. Eumenis, *Freyer, Neuere Beiträge*, i. pl. 85. figs. 3, 4 (1833).

Fabricius, Mant. Ins. p. 40. n. 410 (1787); *Ent. Syst.* iii. pp. 159, 235, n. 490, 734 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

P. Mergus is figured in the unpublished 'Icones' of the late Mr. Jones.

12. **Erebia Afer.**

Papilio (N. G.) Afra, *Fabricius* [P. Afer, *Esper*], "alis integris fuscis: ocellis sex, posticis cinereo venosis: habitat in Russiæ australioris desertis." *Eur. Schmett.* i. pt. 2. pl. 83. figs. 4, 5 (1777).

Fabricius, Mant. Ins. p. 41. n. 413 (1787); *Ent. Syst.* iii. p. 236. n. 738 (1793).

Russia. (Obtained 1842, from Herr J. J. Becker) B.M.

Genus 12. PSEUDONYMPHA, *Wallengren*, *Lep. Rhop. Caffr. Kongl. Vetensk.* p. 32 (1857).

1. **Pseudonympha hyperbius.**

Papilio (D. F.) hyberbius (sic), *Fabricius* [P. Hyperbius, *Linnæus*], "alis integerrimis, fuscis, area rufa: anticis ocello bipupillato; posticis subtus septem punctatis: habitat in Africa."

Fabricius, Syst. Ent. p. 485. n. 189 (1775).

P. Hyperbius and P. Cassus, *Fabricius, Mant. Ins.* p. 31. n. 328 (1787).

Knysna, S. Africa. (Presented 1859, by Roland Trimen, Esq.) B.M.

One specimen of *P. hyperbius* in the Banksian Collection in the British Museum.

2. **Pseudonympha Magus.**

Var. Papilio (S.) Magus, *Fabricius*, "alis integerrimis obscure fulvis: anticis utrinque ocello pupilla gemina; posticis supra duobus, subtus tribus: habitat . . . . ."

Fabricius, Sp. Ins. p. 63. n. 284 (1781); *Ent. Syst.* iii. pp. 215, 233, n. 672, 700 (1793).

Papilio (D. F.) hyperbius, *Cramer* (part. *Fabricius*) [P. Cassius, *Godart*]. *Pap. Exot.* ii. pl. 168. figs. C–F (1779).

Cape of Good Hope. (Presented 1842, by R. W. Townsend, Esq.) B.M.

Genus 13. CALISTO, *Westwood*,

Gen. Diurn. Lepid. p. 399 (1851).

1. Calisto Zangis.

Papilio (D. F.) Zangis, *Fabricius*, "alis integerrimis, fuscis: omnibus subtus ocello unico, anticarum bipupillato: habitat in Carolina." Agnes, *Cramer, Pap. Exot.* iv. pl. 325. figs. A, B (1782).

Fabricius, Syst. Ent. p. 486. n. 193 (1775); *Sp. Ins.* p. 65. n. 290 (1781); *Mant. Ins.* p. 31. n. 336 (1787); *Ent. Syst.* iii. p. 218. n. 682 (1793).

Jamaica. (Presented 1845, by Capt. Parry) B.M.

Genus 14. HETERONYMPHA, *Wallengren*,

Nov. Gen. Lep. in Kongl. Vet. Akad. Förhandl. p. 78 (1858).

1. Heteronympha Merope.

♀. Papilio (N. G.) Merope, *Fabricius*, "alis dentatis, fulvis, apice nigris, ocello unico: posticis subtus cinereis, ocellis tribus minutissimis: habitat in Nova Hollandia." *Donovan, Ins. New Holland*, pl. 28. fig. 2 (1805).

Fabricius, Syst. Ent. p. 495. n. 228 (1775); *Sp. Ins.* p. 78. n. 346 (1781); *Mant. Ins.* p. 40. n. 408 (1787); *Ent. Syst.* iii. p. 99. n. 306 (1793).

Australia. (Obtained 1858, collected by E. Damel, Esq.) B.M.

The type of *P. Merope* is in the Banksian Collection in the British Museum.

Genus 15. CALLITÆRA, *Butler*,

Cat. Diurn. Lepid. Satyr. p. 101 (1868).

1. Callitæra Menander.

Papilio (P.) Andromeda (part.), *Fabricius* [P. Menander, *Drury*], "alis rotundatis hyalino-albis, posticis apice rubris: habitat in India."

Fabricius, Ent. Syst. iii. p. 184. n. 569 (1793).

Panama. (Obtained 1866, from the collection of Osbert Salvin, Esq.) B.M.

2. Callitæra Andromeda.

Papilio (P.) Andromeda, *Fabricius*, "alis rotundatis, integerrimis, hyalinis: posticæ ad marginem posticum litura parva, cærulea, ocel-

loque unico pupilla alba : habitat in India." P. Philis, *Cramer, Pap. Exot.* iv. pl. 337. fig. E (1782).

Fabricius, Syst. Ent. p. 467. n. 107 (1775); *Sp. Ins.* p. 37. n. 158 (1781); *Mant. Ins.* p. 18. n. 180 (1787).

Cayenne. B.M.

Genus 16. HETÆRA, *Fabricius*, *Illiger, Mag.* vi. p. 284 (1808).

1. Hetæra Piera.

Papilio (P.) Piera, *Linnæus*, "alis rotundatis, integerrimis, hyalino-diaphanis : posticis ocellis binis marginalibus : habitat in Indiis." *Clerck, Icon.* pl. 36. fig. 4 (1764).

Fabricius, Syst. Ent. p. 467. n. 103 (1775); *Sp. Ins.* p. 37. n. 153 (1781); *Mant. Ins.* p. 17. n. 175 (1787); *Ent. Syst.* iii. p. 183. n. 566 (1793).

Pará, Lower Amazons. (Obtained 1849; collected by H. W. Bates, Esq.) B.M.

Genus 17. PIERELLA, *Westwood*, *Gen. Diurn. Lepid.* p. 365 (1851).

1. Pierella Nereis.

Papilio (P.) Nereis, *Drury*, "alis repandis fuscis; posticis fascia nivea discoque fulvo : ocellis duobus atris : habitat in America meridionali." *Ill.* iii. pl. 35. figs. 2, 3 (1782).

Fabricius, Ent. Syst. iii. p. 184. n. 568 (1793).

Brazil. (Obtained 1842) B.M.

2. Pierella Rhea.

Papilio (P.) Rhea, *Fabricius*, "alis rotundatis, integerrimis, fusco-hyalinis : posticis punctis quinque albis : habitat in Indiis et Caiennæ."

Fabricius, Syst. Ent. p. 467. n. 106 (1775); *Sp. Ins.* p. 37. n. 157 (1781); *Mant. Ins.* p. 18. n. 179 (1787).

Lena (part.), *Fabricius, Ent. Syst.* suppl. p. 425. n. 334, 335 (1798).

Demerara. B.M.

P. Rhea differs from *P. Dyndimene* in having the hind wings brown above instead of purplish black; the front wings are also of a brighter colour.

Race. Papilio (N.G.) Dyndimene, *Cramer* [P. Lamia, *Sulzer*, 1776], "alis dentatis fuscis, posticis supra violaceis, punctis quatuor albis : habitat Surinami." *Pap. Exot.* iii. pl. 198. figs. F, G (1781).

Fabricius, Sp. Ins. p. 86. n. 378 (1781); *Mant. Ins.* p. 46. n. 456 (1787); *Ent. Syst.* iii. p. 108. n. 335 (1793).

Demerara. B.M.

3. Pierella Luna.

Papilio (N.) Luna, *Fabricius*, "alis dentatis fuscis obscurius strigosis; posticis ocellis duobus: subtus omnibus punctis quatuor albis: habitat Surinami."

Fabricius, Ent. Syst. iii. p. 109. n. 336 (1793).

Demerara. (From Mr. Milne's Collection) B.M.

4. Pierella Dracontis.

Papilio (N. G.) Lena (part.), *Cramer* [P. Dracontis, *Hübner*], "alæ maris caudatæ uti in *P. Philoctete*." *Pap. Exot.* iv. pl. 291. figs. A, B (1782).

Fabricius, Mant. Ins. p. 46. n. 456 (1787).

♂, Demerara; ♀, Pará. (Presented 1845, by Reginald Graham, Esq.) B.M.

5. Pierella Lena.

Papilio (N. G.) Lena, *Linnæus*, "alis subdentatis, fuscis; posticis postice atris albo cæruleoque punctatis; subtus biocellatis: habitat in America." *Roesel, Insektenbelust.* pt. 4. pl. 10. figs. 3, 4 (1761).

Fabricius, Sp. Ins. p. 85. n. 377 (1781); *Ent. Syst.* p. 108. n. 334 (1793).

Demerara. B.M.

Genus 18. ANTIRRHÆA, *Westwood*, *Gen. Diurn. Lepid.* p. 365 (1851).

1. Antirrhæa Philoctetes.

Papilio (E. A.) Philoctetes, *Linnæus*, "alis dentatis, fuscis; posticis ocellis duobus pupilla nigra punctisque tribus albis: habitat in America meridionali." *Clerck, Icon.* pl. 35. fig. 2 (1764).

♀. Papilio (N. G.) Morna, *Fabricius*, "alis dentatis, fuscis; posticis ocellis utrinque duobus punctisque tribus albis: habitat in India."

Fabricius, Syst. Ent. pp. 456, 500, n. 56, 245 (1775); *Sp. Ins.* pp. 22, 85, n. 90, 375 (1781); *Mant. Ins.* pp. 12, 46, n. 106, 452 (1787); *Ent. Syst.* iii. pp. 83, 107, n. 259, 331 (1793).

Demerara. B.M.

2. Antirrhæa Miltiades.

Papilio (N.) Miltiades, *Fabricius*, "alis caudatis fuscis: posticis macula alba, subtus omnibus fascia communi alba ocelloque unico: habitat . . . . ." A. Lindigii, *Felder, Voy. Nov.* iii. pl. 66. figs. 1, 2 (1867).

Fabricius, Ent. Syst. iii. p. 66. n. 205 (1793).

This species has been referred by entomologists to two genera, *Charaxes* and *Antirrhæa*; it is identical with *Antirrhæa Lindigii*,

Felder (*A. casta*, Bates), and is figured in Jones's unpublished drawings, examined by permission of their present owner, F. D. Drewitt, Esq.

Genus 19. LETHE, *Hübner*,

Verz. bek. Schmett. p. 56 (1816).

1. Lethe Portlandia.

Papilio (N. G.) Portlandia, *Fabricius*, "alis dentatis fuscis; posticis supra ocellis quinque cæcis, subtus septem pupillatis: habitat in America meridionali." Oreas Andromacha, *Hübner, Exot. Schmett.* i. pl. 89. figs. 1, 2 (1805).

Fabricius, Sp. Ins. p. 82. n. 363 (1781).

P. Jortlandia (sic), *Fabricius, Mant. Ins.* p. 45. n. 439 (1787); *Ent. Syst.* iii. p. 103. n. 319 (1793).

United States. (Obtained 1844, from Mr. Dyson) B.M.

2. Lethe Europa.

Papilio (N. G.) Europa, *Fabricius*, "alis angulatis, fuscis; posticis subtus fascia ocellari albida: habitat in America." *Hübner, Samml. exot. Schmett.* i. pl. 90. figs. 1–4 (1805).

Fabricius, Syst. Ent. p. 500. n. 247 (1775); *Sp. Ins.* p. 86. n. 380 (1781); *Mant. Ins.* p. 46. n. 458 (1787); *Ent. Syst.* iii. p. 76. n. 238 (1793).

Java. B.M.

3. Lethe Rohria.

Papilio (N. G.) Rohria, *Fabricius*, "alis caudato-dentatis fuscis; anticis fascia alba, posticis subtus ocellis septem, plerisque albo punctatis: habitat in India." Sat. Isana, *Kollar, Hügel's Kaschmir*, iv. pt. 2. pl. 16. figs. 3, 4 (1844).

Fabricius, Mant. Ins. p. 45. n. 446 (1787); *Ent. Syst.* iii. p. 75. n. 235 (1793).

Silhet, N. India. (Obtained 1845, from the Rev. J. Stainsforth's Collection) B.M.

4. Lethe? Minerva.

Papilio (N. G.) Minerva, *Fabricius*, "alis dentatis, fulvis, apice nigris albo maculatis; posticis ocellis supra quinque cæcis, subtus septem pupillatis: habitat in America."

Fabricius, Syst. Ent. p. 493. n. 216 (1775); *Sp. Ins.* p. 74. n. 327 (1781); *Mant. Ins.* p. 37. n. 383 (1787); *Ent. Syst.* iii. p. 95. n. 295 (1793).

This may be a species of *Eurema* which we have from Mexico; Fabricius, however, quotes Cramer's figure of *L. Arcadia* as his species; the latter is in the Horsfield Collection from Java.

Genus 20. PARARGE, *Hübner*, *Verz. bek. Schmett.* p. 59 (1816).

1. Pararge Ægeria.

Papilio (N. G.) Ægeria, *Linnæus*, "alis dentatis fuscis, luteo maculatis; utrinque anticis ocello; posticis supra ocellis, subtus punctis quatuor: habitat in Europæ graminibus."

Fabricius, Syst. Ent. p. 492. n. 214 (1775); *Sp. Ins.* p. 73. n. 325 (1781); *Mant. Ins.* p. 37. n. 381 (1787); *Ent. Syst.* iii. p. 94. n. 293 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

There are two mutilated specimens of *P. Ægeria* in the Banksian Collection in the British Museum.

2. Pararge Xiphia.

Papilio (N. G.) Xiphia, *Fabricius*, "alis dentatis, fuscis, flavo maculatis; utrinque anticis ocello posticisque supra tribus, subtus quatuor: habitat in Madera."

Fabricius, Syst. Ent. p. 492. n. 215 (1775); *Sp. Ins.* p. 74. n. 326 (1781); *Mant. Ins.* p. 37. n. 382 (1787).

Xantippe, *Fabricius, Ent. Syst.* iii. p. 95. n. 294 (1793).

Madeira. (♂ from Mr. Children's Collection: ♀ presented 1844, by the Entomological Club.) B.M.

The type of *P. Xiphia* and a second specimen are in the Banksian Collection in the British Museum.

3. Pararge Roxelana.

Papilio (N. G.) Roxelana, *Cramer*, "alis dentatis fuscis supra cæcis; posticis subtus undatis ocellis septem, interiore pupilla gemina: habitat in Asia." *Pap. Exot.* ii. pl. 141. figs. C, D (1779).

Fabricius, Sp. Ins. p. 72. n. 320 (1781); *Mant. Ins.* p. 36. n. 374 (1787); *Ent. Syst.* iii. p. 227. n. 712 (1793).

♂ ♀, Smyrna. (Obtained 1840, from Mr. Children's Collection) B.M.

4. Pararge Climene.

Papilio (N. G.) Clymene (*sic*), *Fabricius* [P. Climene, *Esper*], "alis dentatis fuscis, litura ferruginea; posticis ocellis supra subtribus, subtus subseptem: habitat in Russiæ australioris sylvaticis." *Eur. Schmett.* i. pt. 2. pl. 85. figs. 1–3 (1777).

Fabricius, Mant. Ins. p. 44. n. 434 (1787); *Ent. Syst.* iii. p. 242. n. 753 (1793).

♂ ♀, Russia. (Obtained 1850, from Herr J. J. Becker) B.M.

5. Pararge Achine.

Papilio (N. G.) Dejanira, *Linnæus* [P. Achine, *Scopoli*], "alis dentatis, fuscis: anticis ocellis utrinque quinque, posticis sex fasciaque alba repanda: habitat in *Rhamno alpino* Germaniæ."

Fabricius, Syst. Ent. p. 494. n. 222 (1775); *Sp. Ins.* p. 76. n. 336 (1781).

Deganira (*sic*), *Fabricius, Mant. Ins.* p. 38. n. 393 (1787); *Ent. Syst.* iii. p. 230. n. 719 (1793).

♂, Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

Two specimens of *P. Achine* in the Banksian Collection in the British Museum.

6. Pararge Canthus.

Papilio (D. F.) Canthus, *Linnæus*, "alis integris, supra fuscis; posticis subtus ocellis sex: habitat in America boreali."

Fabricius, Syst. Ent. p. 486. n. 191 (1775); *Ent. Syst.* iii. p. 157. n. 484 (1793).

Canada West, Coldwater near Orilla. (Obtained 1856, collected by Mr. Bush) B.M.

The ocelli of this species are quite visible upon the upper surface, so that the description *supra fuscis immaculatis* is not characteristic.

Genus 21. AMECERA, *Butler*,

Ann. & Mag. Nat. Hist. xix. p. 162 (1867).

1. Amecera Megæra.

Papilio (N. G.) Megæra, *Linnæus*, "alis dentatis, luteis, fusco fasciatis: anticis ocello, posticis supra quinis, subtus sex: habitat in Europæ graminosis."

Fabricius, Syst. Ent. p. 492. n. 213 (1775); *Sp. Ins.* p. 73. n. 324 (1781); *Mant. Ins.* p. 36. n. 380 (1787); *Ent. Syst.* iii. p. 94. n. 292 (1793).

England. (Obtained 1840, from Mr. Children's Collection) B.M.

There are two specimens of *P. Megæra* in the Banksian Collection in the British Museum.

2. Amecera Mæra.

Papilio (N. G.) Mæra, *Linnæus*, "alis subdentatis, fuscis: utrinque anticis sesquiocello, posticis ocellis supra tribus: habitat in Europæ gramine."

Fabricius, Syst. Ent. p. 491. n. 211 (1775); *Sp. Ins.* p. 71. n. 319 (1781).

**Var.* Petropolitana, *Fabricius, Mant. Ins.* p. 36. n. 373 (1787); *Ent. Syst.* iii. p. 227. n. 711 (1793).

♂, Italy. (Presented by Dr. Leach) B.M.

There are two specimens of *P. Mæra* in the Banksian Collection in the British Museum.

* "Duplo minor alis anticis supra absque disco fulvo, tempore vernali volitans." Possibly identical with *P. Hiera*.

3. Amecera Hiera.

Papilio (N. G.) Hiera, *Fabricius*, "alis dentatis fuscis, anticis utrinque ocello sesquialtero, posticis subtus nebulosis ocellis sex: habitat in Europæ pratis sylvaticis." *Hübner*, *Eur. Schmett.* i. pl. 39. fig. 176 (1805).

Fabricius, *Gen. Ins.* p. 262. n. 236, 237 (1776).

♂ ♀, Helvetia. (Obtained 1845–6, from Herr J. J. Becker) B.M.

Fabricius seems to have omitted this species in works subsequent to the 'Genera Insectorum.'

Genus 22. MYCALESIS, *Hübner*,

Verz. bek. Schmett. p. 54 (1816).

1. Mycalesis Martius.

Papilio (S.) Martius, *Fabricius*, "alis integerrimis nigris, subtus punctis ocellaribus; anticis quatuor, posticis septem: habitat . . . ."

Fabricius, *Ent. Syst.* iii. p. 219. n. 686 (1793).

Ashanti. (Obtained 1844, from the Wesleyan Missionary Society) B.M.

This species, considered from the description to be the *M. Moorei* of Felder, is now shown by Mr. Jones's drawings to be closely allied to *M. Sanaos* of Hewitson, of which it is probably a local form.

2. Mycalesis Florimel.

Papilio (S.) Florimel, *Fabricius*, "alis integerrimis fuscis: subtus anticis ocellis duobus, posticis septem: habitat . . . . ."

Fabricius, *Ent. Syst.* iii. p. 215. n. 673 (1793).

Seems to come near *M. Xeneas* of Hewitson, the apical ocellus of the hind wings being placed at some distance from the other ocelli.

3. Mycalesis Halyma.

Papilio (S.) Halyma, *Fabricius*, "alis dentatis supra fuscis immaculatis; subtus pallidis fulvo fasciatis; anticis ocellis quinque, posticis septem: habitat in Indiis."

Fabricius, *Ent. Syst.* iii. p. 243. n. 758 (1793).

Mr. Jones's figure shows this species to be nearly allied to the *M. Asochis* of Hewitson, which on the under surface it nearly resembles.

4. Mycalesis Dorothea.

♂. Papilio (N. G.) Melusina, *Fabricius* [P. Dorothea, *Cramer*], "alis dentatis fuscis, disco albido; subtus albidis; anticis ocellis duobus, posticis septem: habitat in Sierra Leon Africæ." ♀, *Pap. Exot.* iii. pl. 204. figs. E, F (1782).

Var. Papilio (S.) Miriam, *Fabricius*, "alis dentatis fuscis, subtus cinereis; anticis ocellis duobus, posticis septem: habitat in Indiis." See *Proc. Zool. Soc.* p. 719 (1867).

Fabricius, Mant. Ins. p. 43. n. 430 (1787); *Ent. Syst.* iii. pp. 240, 242, n. 750, 754 (1793).

P. Melusina, West Africa. (Obtained 1851, collected by Mr. Louis Fraser) B.M.

P. Miriam, Angola, Bembe mines. (Collected and presented 1860, by J. J. Monteiro, Esq.) B.M.

5. Mycalesis Perseus.

Papilio (D. F.) Perseus, *Fabricius*, "alis integerrimis, fuscis: subtus punctis ocellaribus, anticis tribus, posticis septem: habitat in Nova Hollandia." *Proc. Zool. Soc.* p. 718. fig. 2 (1867).

Papilio (S.) Tabitha, *Fabricius*, "alis dentatis nigris; anticis ocello unico; subtus obscuris, striga punctorum ocellatorum: habitat in India orientali."

Fabricius, Syst. Ent. p. 488. n. 199 (1775); *Sp. Ins.* p. 66. n. 296 (1781); *Mant. Ins.* p. 32. n. 343 (1787); *Ent. Syst.* iii. pp. 219, 243, n. 685, 756 (1793).

North India. B.M.

The type of *P. Perseus* is in the Banksian Collection in the British Museum: Donovan's figure is not good.

Var. Papilio (N. G.) Peribœa, *Fabricius*, "alæ anticæ fuscæ ocello magno atro iride flavescente pupilla alba at obsoleta ad marginem anticum [interiorem, *Ent. Syst.*]; subtus griseæ striga flavescente punctis duobus minutissimis albis: posticæ fuscæ ocello parvo obsoleto margineque strigoso; subtus griseæ striga flavescente punctisque 5–6 parvis ocellaribus atris: habitat Surinami."

Papilio (S.) Clerimon, *Fabricius*, "alis subrepandis fuscis: anticis supra ocello atro, omnibus subtus quatuor minutis: habitat . . . . ."

Fabricius, Gen. Ins. p. 261. n. 226, 227 (1776); *Sp. Ins.* p. 78. n. 344 (1781); *Mant. Ins.* p. 39. n. 405 (1787); *Ent. Syst.* iii. pp. 217, 234, n. 678, 730 (1793). See *Proc. Zool. Soc.* pp. 719, 720 (1867).

6. Mycalesis Drusia.

Papilio (D.) Mineus (part.), *Fabricius* [P. Drusia, *Cramer*], "alis integerrimis subfuscis; subtus posticis ocellis septem, anticis duobus supra unico: habitat in China." *Pap. Exot.* i. pl. 84. figs. C, D (1779).

Fabricius. Sp. Ins. p. 65. n. 294 (1781); *Mant. Ins.* p. 32. n. 341 (1787); *Ent. Syst.* iii. p. 158. n. 488 (1793).

This may possibly be an extreme form of *P. Mineus*; but Cramer's figure seems to indicate a distinct species.

7. Mycalesis Delila.

Papilio (S.) Delila, *Fabricius*, "alis repandis fuscis: anticis ocello minuto; subtus anticis ocellis duobus, posticis sex, quarto majore: habitat in Guinea."

Fabricius, Ent. Syst. iii. p. 234. n. 731 (1793).

Seems nearly allied to *M. Gotama*, Moore.

8. Mycalesis Mineus.

Papilio (D. F.) Mineus, *Linnæus*, "alis integerrimis, fuscis; anticis supra ocello unico, posticis subtus septem fasciaque alba: habitat in China."

Fabricius, Syst. Ent. p. 488. n. 197 (1775).

Hong-Kong, China. (Presented 1848, by J. C. Bowring, Esq.) B.M.

There are two curious varieties of *P. Mineus* in the Banksian Collection in the British Museum.

9. Mycalesis Polydecta.

Papilio (N. G.) Polydecta, *Cramer*, "alis dentatis fuscis; anticis ocello, posticis supra duobus, subtus septem: habitat in Malabaria." *Pap. Exot.* ii. pl. 144. figs. E, F (1779).

Fabricius, Sp. Ins. p. 85. n. 373 (1781); *Mant. Ins.* p. 46 n. 450 (1787); *Ent. Syst.* iii. p. 107. n. 329 (1793).

Java. (Obtained 1850, from the Hon. East-India Comp.) B.M.

The typical form of *M. Polydecta* occurs in Borneo (see Ann. & Mag. Nat. Hist. xx. p. 402, pl. 9. figs. 5, 6: 1867).

10. Mycalesis Blasius.

Papilio (N.) Blasius, *Fabricius*, "alis integerrimis fuscis supra immaculatis, subtus anticis ocellis tribus, posticis septem: habitat in India orientali." *Proc. Zool. Soc.* p. 720, and p. 718. fig. 4 (1867).

Fabricius, Ent. Syst. suppl. p. 426. n. 488, 489 (1798).

Philippines. (Obtained 1853, from Mr. Cuming) B.M.

11. Mycalesis Hesione.

Papilio (N. G.) Hesione, *Cramer*, "alis dentatis fuscis subtus striga obliqua alba: anticis ocellis duobus, posticis sesquitertio: habitat Surinami." *Pap. Exot.* i. pl. 11. figs. C, D (1775).

Var. Papilio (D. F.) Medus, *Fabricius*, "alis integerrimis, fuscis: subtus striga nivea, ocellisque anticarum duobus, posticarum tribus: habitat in Capite Bonæ Spei."

Fabricius, Syst. Ent. p. 488. n. 198 (1775); *Gen. Ins.* p. 261. n. 230, 231 (1776); *Sp. Ins.* pp. 67, 79, n. 295, 350 (1781);

Mant. Ins. pp. 32, 43, n. 342, 423 (1787); *Ent. Syst.* iii. p. 100. n. 308 (1793).

P. Hesione, Java. (Obtained from the Hon.East-India Comp.) B.M.
P. Medus, Borneo. (Obtained 1857, from Mr. Stevens) B.M.

The type of *P. Medus* is in the Banksian Collection; it does not differ from the *P. Doris* of Cramer.

12. Mycalesis Terminus.

Papilio (D. F.) Terminus, *Fabricius*, "alis integris, fuscis, area rufa, supra anticis ocello unico, posticis quatuor: habitat in Nova Hollandia." *Donovan, Ins. New Holland*, pl. 28. fig. 4 (1805); *Proc. Zool. Soc.* p. 720, figs. 3, 3*a* (1867).

Fabricius, Syst. Ent. p. 488. n. 200 (1775); *Sp. Ins.* p. 66. n. 297 (1781); *Mant. Ins.* p. 32. n. 344 (1787); *Ent. Syst.* iii. p. 220. n. 687 (1793).

♂ ♀, Rockingham Bay, Australia. (Obtained 1846 and 1850, from the voyage of H.M.S. 'Rattlesnake;' collected by Mr. Macgillivray.) B.M.

The type specimen of *P. Terminus* is in the Banksian Collection in the British Museum.

13. Mycalesis Sirius.

Papilio (D. F.) Sirius, *Fabricius*, "alis integerrimis, obscure rufis; supra anticis ocellis duobus, posticis quatuor: habitat in Nova Hollandia." *Donovan, Ins. New Holland*, pl. 28. fig. 3 (1805); *Proc. Zool. Soc.* p. 720, fig. 1 (1867).

Var. Papilio (S.) Zachæus, *Fabricius*, "alis integris fuscis: supra ocellis duobus, subtus anticis quatuor, posticis sex: habitat . . . ." *P. Z. S.* p. 721 (1867).

Fabricius, Syst. Ent. p. 488. n. 201 (1775); *Sp. Ins.* p. 66. n. 298 (1781); *Mant. Ins.* p. 32. n. 345 (1787); *Ent. Syst.* iii. pp. 217, 220, n. 679, 688 (1773).

Rockingham Bay, Australia. (Obtained 1850, from the voyage of H.M.S. 'Rattlesnake;' collected by Mr. Macgillivray) B.M.

The type of *P. Sirius* is in the Banksian Collection in the British Museum; *P. Zachœus* differs on the underside in the absence of central strigæ.

14. Mycalesis Narcissus.

Papilio (S.) Narcissus, *Fabricius*, "alis integerrimis fuscis, area rufa; anticis utrinque ocello, posticis duobus minutis: habitat ad Cap. Bon. Spei."

Fabricius, Ent. Syst. suppl. p. 428. n. 672, 673 (1798).

Mauritius (obtained 1857 from Dr. Beke); Madagascar (1867). B.M.

Genus 23. YPTHIMA, *Westwood*,
Gen. Diurn. Lepid. p. 394 (1851).

1. Ypthima Baldus.

Papilio (D. F.) Baldus, *Fabricius*, " alis integerrimis, fuscis; anticis utrinque ocello pupilla gemina; posticis supra ocellis quatuor, subtus sex: habitat in India."

Fabricius, Syst. Ent. app. p. 829. n. 202, 203 (1776); *Sp. Ins.* p. 68. n. 306 (1781); *Mant. Ins.* p. 34. n. 356 (1787); *Ent. Syst.* iii. p. 223. n. 699 (1793).

Hong-Kong, China. (Presented 1848, by J. C. Bowring, Esq.) B.M.

There is one specimen of *P. Baldus* in the Banksian Collection in the British Museum.

2. Ypthima Arctos.

Papilio (D. F.) Arctoüs, *Fabricius*, " alis integerrimis fuscis: anticis utrinque ocello bipupillato, posticis supra subcæcis: habitat in Nova Hollandia." P. Irius, *Donovan, Ins. New Holland*, pl. 24. fig. 2 (1805).

Fabricius, Syst. Ent. p. 489. n. 202 (1775); *Sp. Ins.* p. 67. n. 304 (1781); *Mant. Ins.* p. 33. n. 353 (1787); *Ent. Syst.* iii. p. 222. n. 696 (1793).

Port Essington, Australia. (Presented 1846, by the Earl of Derby) B.M.

The type of *P. Arctoüs* is in the Banksian Collection in the British Museum.

Genus 24. ARGE, *Hübner*,
Verz. bek. Schmett. p. 60 (1816).

1. Arge Galathea.

Papilio (N. G.) Galathea, *Linnæus*, " alis dentatis, albo nigroque variis: subtus anticis ocello unico, posticis quinque obsoletis: habitat in Europæ gramine."

Fabricius, Syst. Ent. p. 496. n. 230 (1775); *Sp. Ins.* p. 79. n. 349 (1781); *Mant. Ins.* p. 43. n. 421 (1787); *Ent. Syst.* iii. p. 239. n. 744 (1793).

Italy. (Presented by Dr. Leach) B.M.

There are two specimens of the variety *P. Procida*, Herbst, in the Banksian Collection in the British Museum.

2. Arge Iapygia.

Papilio (N. G.) Arge, *Fabricius* [P. Iapygia, *Esper*], " alis dentatis albis nigro strigosis: anticis ocello unico, posticis quinque: habitat in Russiæ australioris desertis." P. Arge, *Esper, Eur. Schmett.* i. pt. 2. pl. 84. figs. 1, ? 2 (1777).

Fabricius, Mant. Ins. p. 43. n. 422 (1787); *Ent. Syst.* iii. p. 239. n. 746 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

Genus 25. ŒNEIS, *Hübner*, *Verz. bek. Schmett.* p. 58 (1816).

1. Œneis Bore.

Papilio (D. F.) Polixenes, *Fabricius* [P. Bore, *Esper*], "alis integris, fuscis; posticis subtus griseo fuscoque nebulosis: habitat in America boreali" *Eur. Schmett.* i. pt. 2. pl. 100. fig. 1 (1777).

Papilio (S.) Fortunatus, *Fabricius*, "alis integris, fuscis: posticis subtus albo nigroque marmoratis: habitat in Lapponia."

Fabricius, Syst. Ent. p. 484. n. 180 (1775); *Sp. Ins.* p. 59. n. 261 (1781); *Mant. Ins.* p. 28. n. 301 (1787); *Ent. Syst.* iii. pp. 152, 214, n. 466, 670 (1793).

Labrador. (Presented 1845, by Dr. Thienemann) B.M.

2. Œneis Melissa.

Papilio (N. P.) Melissa, *Fabricius*, "alis dentatis, supra fuscis: posticis subtus griseo marmoratis; posticæ subtus albo nigroque variæ: habitat in insula Terre neuve Americæ."

Fabricius, Syst. Ent. p. 513. n. 298 (1773); *Sp. Ins.* p. 104. n. 458 (1781); *Mant. Ins.* p. 57. n. 560 (1787); *Ent. Syst.* iii. p. 141. n. 433 (1793).

Unless this is identical with *P. Polixenes*, the type is not now in the Banksian Collection in the British Museum. See Proc. Zool. Soc. p. 604 (1868).

3. Œneis Tarpeia.

Papilio (D. F.) Tarpeius (sic), *Fabricius* [P. Tarpeia, *Esper*], "alis integris fulvis: omnibus ocellis quatuor cæcis: habitat in Russia australiore." *Eur. Schmett.* i. pt. 2. pl. 83. figs. 1, 2 (1777).

Fabricius, Mant. Ins. p. 32. n. 338 (1787).

P. (S.) Tarpejus, *Fabricius, Ent. Syst.* iii. p. 214. n. 669 (1793).

Lapland. (Obtained 1845, from Herr J. J. Becker) B.M.

Genus 26. HYPOCYSTA, *Westwood*. *Gen. Diurn. Lepid.* p. 397. lin. 7–10 (1851).

1. Hypocysta Irius.

Papilio (D. F.) Irius, *Fabricius*, "alis integerrimis, disco flavo; posticis ocello supra unico, subtus duobus: habitat in Nova Hollandia." *Donovan, Ins. New Holland*, pl. 28. fig. 1 (1805).

Fabricius, Syst. Ent. p. 487. n. 196 (1775); *Sp. Ins.* p. 65. n. 293 (1781); *Mant. Ins.* p. 32. n. 340 (1787); *Ent. Syst.* iii. 158. n. 487 (1793).

Local race, ? Australia. (Obtained 1846, from Dr. Stevenson) B.M.

The type of *P. Irius* is in the Banksian Collection in the British Museum, and agrees with Donovan's figure in having the fore wings

much elongated, with a large interno-discal fulvous patch, the hind wings produced at the anal angle, and the central stria crossing the wing in a straight line at some distance from the margin.

Aberrant Satyrinæ. ELYMNIADES.

Genus 27. ELYMNIAS, *Hübner*, *Verz. bek. Schmett.* p. 37 (1816).

1. **Elymnias Vitellia.**

Papilio (N. P.) Vitellia, *Cramer*, "alis dentatis nigris subtus albo maculatis: habitat in Amboina." *Pap. Exot.* iv. pl. 349. figs. E, F (1782).

Fabricius, Mant. Ins. p. 48. n. 474 (1787); *Ent. Syst.* iii. p. 115. n. 353 (1793).

Amboina. (Obtained 1859; collected by A. R. Wallace, Esq.) B.M.

2. **Elymnias undularis.**

Papilio (N. P.) undularis, *Drury*, "alis dentatis supra fuscis, posticis apice ferrugineis, subtus ferrugineis viridi undatis: habitat in Coromandel." *Ill.* ii. pl. 10. figs. 1, 2 (1773).

Local form, ♀. Papilio (N. P.) Protogenia, *Cramer*, "alis dentatis fulvis, limbo nigro albo maculato: habitat in insula Java." *Pap. Exot.* ii. pl. 189. figs. F, G (1779.)

Fabricius, Sp. Ins. p. 89. n. 395 (1781); *Sp. Ins.* app. p. 504 (1782); *Mant. Ins.* pp. 49, 51, n. 478, 501 (1787); *Ent. Syst.* iii. pp. 117, 127, n. 359, 389 (1793).

Moulmein, East Indies (obtained 1843, from Archdeacon Clerk); ♂, Java (presented 1851, by Dr. Horsfield; ♂ ♀ in the Horsfield Cabinet). B.M.

There are two specimens of *P. Protogenia* (labelled "*P. undularis*") in the Banksian Collection in the British Museum.

3. **Elymnias Panthera.** Pl. II. fig. 7.

♂. Papilio (N. G.) Panthera, *Fabricius*, "alis caudato-dentatis fuscis subtus undatis: posticis ocellis duobus disci, quinque marginalibus cærulescentibus: habitat Tranquebariæ." M. Dusara, *Horsfield, Cat. Mus. E. I. C.* pl. 5. fig. 7 (1829).

Fabricius, Mant. Ins. p. 39. n. 407 (1787); *Ent. Syst.* iii. p. 75. n. 234 (1793).

♂ ♀, Java. (Presented by the Hon. East-India Company) B.M.

4. **Elymnias Lais.**

Papilio (N. P.) Lais, *Cramer*, "alis dentatis nigris, cærulescente striatis; subtus fuscis: habitat in India orientali." *Pap. Exot.* ii. pl. 110. figs. A, B (1779).

Fabricius, Sp. Ins. p. 102. n. 448 (1781); *Mant. Ins.* p. 55. n. 543 (1787); *Ent. Syst.* iii. p. 58. n. 182 (1793).

Java. (Presented by Mrs. Henry) B.M.

5. Elymnias Phegea.

Papilio (N.) Phegea, *Fabricius*, "alis dentatis fuscis: anticis fuscis, posticis disco ferrugineo (aut albo*); subtus pallidioribus nigro undatis: habitat in India." *Donovan, Ins. Ind.* pl. 31. fig. 1 (1800).

Fabricius, Ent. Syst. iii. p. 132. n. 407 (1793).

Not in the British-Museum collection. An examination of the nearly allied *E. Bammakoo*, Westwood, has discovered a rudimentary spur upon the basal inner margin of the costal nervure in the hind wings, and which, taken in conjunction with a raised ridge of scales extending from it to the subcostal nervure, forms an artificial prediscoidal cell, a character which will bring this genus near to *Brassolis*, &c.

Subfamily III. *BRASSOLINÆ*, Bates,
Journ. Entom. x. p. 176 (1864).

Genus I. CALIGO, *Hübner*,
Verz. bek. Schmett. p. 51 (1816).

1. Caligo Idomeneus.

Papilio (E. A.) Idomeneus, *Linnæus*, "alis subcrenatis, fuscis, basi cyaneis, subtus nebulosis: posticis ocello magno flavescente: habitat in America meridionali." *Clerck, Icon.* pl. 20. fig. 1 (1764); *Cramer, Pap. Exot.* i. pl. 52. fig. B (1779).

Fabricius, Syst. Ent. p. 459. n. 68 (1775); *Sp. Ins.* p. 26. n. 105 (1781); *Mant. Ins.* p. 13. n. 123 (1787); *Ent. Syst.* iii. p. 88. n. 275 (1793).

Venezuela. (Obtained 1844, from Herr J. J. Becker) B.M.

This species is best figured by Cramer.

2. Caligo Teucer.

Papilio (E. A.) Teucer, *Linnæus*, "alis subrepandis, lividiusculis; subtus nebulosis, posticis ocellis tribus postremo maximo: habitat in America." ? *Cramer, Pap. Exot.* pl. 51. figs. A, B (1779).

Fabricius, Syst. Ent. p. 458. n. 66 (1775); *Sp. Ins.* p. 25. n. 102 (1781); *Mant. Ins.* p. 13. n. 119 (1787); *Ent. Syst.* iii. p. 87. n. 271 (1793).

Venezuela. (Obtained 1846, from Mr. Dyson) B.M.

* Unless the male of *P. Phegea* is dimorphic (which seems unlikely), the whole species is certainly distinct; a careful comparison of the same sex of both forms, in Mr. Druce's Collection, has shown me that even the pattern of the two insects is not identical.

3. Caligo Automedon.

♂. Papilio (E. A.) Automedon, *Cramer*, "alis angulato-repandis fuscis: subtus lividiusculis ocello anguli ani: alæ maris cæruleo colore nitidæ: habitat in Surinami." *Pap. Exot.* i. pl. 41. figs. A, B (1776?); ♀, iv. pl. 389. figs. A, B (1782).

♂, *Fabricius, Gen. Ins.* p. 253. n. 66, 67 (1776); *Sp. Ins.* p. 25. n. 103 (1781); ♀, *Fabricius, Mant. Ins.* p. 13. n. 120 (1787); *Ent. Syst.* iii. p. 87. n. 272 (1793).

South America. (Obtained 1839, from Mr. Warwick) B.M.

Genus 2. DYNASTOR, *Westwood*,
Gen. Diurn. Lepid. p. 346 (1851).

1. Dynastor Darius.

Papilio (D. F.) Darius, *Fabricius*, "alis integerrimis, fuscis; anticis albo maculatis, posticis subtus arcu nigro: habitat in Brasilia." P. Anaxarete, *Cramer, Pap. Exot.* i. pl. 95. figs. A, B (1779).

Fabricius, Syst. Ent. p. 482. n. 173 (1775); *Sp. Ins.* p. 57. n. 249 (1781); *Mant. Ins.* p. 27. n. 288 (1787); *Ent. Syst.* iii. p. 52. n. 161 (1793).

Brazil. (Obtained 1840, from Mr. Children's Collection) B.M.

The type of *P. Darius* is in the Banksian Collection in the British Museum.

Genus 3. OPSIPHANES, *Westwood*,
Gen. Diurn. Lepid. p. 344 (1851).

1. Opsiphanes Berecynthia.

♀?. Papilio (D.F.) Berecynthus, *Fabricius* [P. Berecynthia, *Cramer*], "alis integerrimis supra atris, fascia marginali flava, subtus posticis maculis sex ocellaribus: habitat Surinami." *Pap. Exot.* ii. pl. 184. figs. C, D (1779); also in *Seba, Mus.* iv. pl. 23. figs. 2, 3.

♂. Papilio (D. F.) Oethon, *Fabricius*, "alis integerrimis fuscis, striga marginali fulva, posticis subtus subundatis ocellis septem: habitat Surinami."

Fabricius, Sp. Ins. p. 59. n. 259, 260 (1781); *Mant. Ins.* p. 28. n. 298, 299 (1787); *Ent. Syst.* iii. pp. 151, 152, n. 462, 465 (1793).

Pará, Lower Amazons. (Presented 1845, by Gordon Grahame, Esq.) B.M.

The male of *P. Berecynthia* (labelled "*P. Oethon*, Fabr.") is in the Linnean Cabinet, and is figured in Jones's unpublished 'Icones.'

2. Opsiphanes Xanthus.

Papilio (D. F.) Xanthus, *Linnæus*, "alis integerrimis, fuscis: fascia ferruginea, posticis subtus griseo marmoratis, ocellis duobus: habitat in Asia." *Clerck, Icon.* pl. 34. figs. 1, 2. (1764).

Fabricius, Syst. Ent. p. 483. n. 177 (1775); *Sp. Ins.* (part.) p. 58. n. 257 (1781); *Mant. Ins.* p. 28. n. 296 (1787); *Ent. Syst.* iii. p. 150. n. 460 (1793).

Pará, Lower Amazons. (Presented by Mrs. J. P. G. Smith) B.M.

P. Xanthus is represented in the Banksian Collection by two species of *Brassolis, Satyrus Astyra*, Godt., and *P. Sophoræ*, Linnæus; the *P. Xanthus* of Cramer (pl. 183. A, B), which is the *P. Xanthus* (part.) of the 'Species Insectorum,' seems more nearly allied to *P. Cassiæ*, Linn.

3. Opsiphanes Glycerie.

Papilio (N. G.) Glycerie, *Fabricius* [P. Xanthus (part.), *Clerck*], "alis dentatis fuscis, anticis fascia fulva; subtus anticis ocello, posticis duobus, cæcis: habitat in India orientali." *Icon.* pl. 34. figs. 3, 4 (1764).

Fabricius, Mant. Ins. p. 36. n. 379 (1787); *Ent. Syst.* iii. p. 94. n. 291 (1793).

Volcano of Orizaba, Mexico (obtained 1856, collected by M. Sallé); also South America (registered as "*Morpho Caryates*," Godt., and "*P. Cassiope*," Cramer, from Mr. Milne's collection). B.M.

In the 'Genera of Diurnal Lepidoptera' *P. Glycerie* is quoted as a synonym of *P. Cassiæ*, Linnæus; it is, however, very distinct.

4. Opsiphanes Cassiæ.

Papilio (D. F.) Cassiæ, *Linnæus*, "alis integerrimis, fuscis, fascia ferruginea apice bifida; posticis subtus cinereis, ocellis duobus: habitat in America." *Cramer, Pap. Exot.* ii. pl. 106. fig. A (1779).

Fabricius, Syst. Ent. p. 483. n. 178 (1775); *Sp. Ins.* p. 58. n. 258 (1781); *Mant. Ins.* p. 28. n. 297 (1787); *Ent. Syst.* iii. p. 150. n. 461 (1793).

Honduras. (Obtained 1845, from Mr. Dyson) B.M.

In Westwood and Hewitson's 'Genera of Diurnal Lepidoptera,' Clerck (Icon. pl. 34. figs. 3, 4) is quoted for figures of this species: but Madame Merian's figure evidently represents the true *O. Cassiæ*; for Linnæus describes it as "ita similis *P. Sophoræ*, ut difficile distinguatur."

Genus 4. BRASSOLIS, *Fabricius*, *Illiger's Mag.* vi. p. 182 (1808).

1. Brassolis Sophoræ.

Papilio (D. F.) Sophoræ, *Linnæus* [nec *Donovan*], "alis integerrimis, fuscis fascia ferruginea; posticis subtus brunneis, ocellis tribus: habitat in America." *Clerck, Icon.* pl. 35. fig. 3 (1764).

Fabricius, Syst. Ent. p. 483. n. 176 (1775); *Sp. Ins.* p. 58.

n. 256 (1781); *Mant. Ins.* p. 28. n. 295 (1787); *Ent. Syst.* iii. p. 150. n. 459 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

P. Sophoræ is in the Banksian Collection, labelled "*P. Xanthus*, Linn.;" Donovan's figures (Nat. Repos. iii. pls. 87, 88) represent *Dasyophthalma Creusa* ♀, Hübner.

Subfamily IV. *MORPHINÆ.*

Genus 1. MORPHO *, *Fabricius*, *Illiger's Magaz.* vi. p. 279 (1808).

1. Morpho Hecuba.

Papilio (E. A.) Hecuba, *Linnæus*, "alis dentatis, anticis rubris, posticis nigris: subtus utrinque ocellatis: habitat Caiennæ." *Cramer*, *Pap. Exot.* iii. pl. 217. figs. A, B (1782).

Fabricius, *Syst. Ent.* p. 495. n. 67 (1775); *Sp. Ins.* p. 26. n. 104 (1781); *Mant. Ins.* p. 13. n. 122 (1787); *Ent. Syst.* iii. p. 87. n. 273 (1793).

British Guiana. (Obtained 1839) B.M.

2. Morpho Perseus.

♂. Papilio (E. A.) Perseus, *Cramer*, "alis dentatis pallide cæruleis apice atris ferrugineo maculatis, subtus undatis ocellis tribus quatuorque: habitat Surinami." *Pap. Exot.* i. pl. 71. figs. A, B (1779).

♀. Papilio (E. A.) Metellus, *Cramer*, "alis dentatis fulvis postice atris, subtus anticis ocellis tribus, posticis quinque: habitat Surinami." *Pap. Exot.* iii. pl. 218. figs. A, B (1782).

♂, *Fabricius*, *Sp. Ins.* p. 24. n. 99 (1781); ♀, *Fabricius*, *Sp. Ins.* app. p. 503 (1782); ♂ ♀, *Fabricius*, *Mant. Ins.* p. 13. n. 116, 122 (1787); *Ent. Syst.* iii. pp. 86, 88, n. 267, 274 (1793).

Not in the collection of the British Museum.

3. Morpho Iphiclus.

♂. Papilio (E. A.) Telemachus, *Cramer*, nec *Linnæus* [M. Iphiclus, *Felder* †]: "habitat Surinami." *Pap. Exot.* iv. pl. 373. figs. A, B (1782).

Fabricius, *Mant. Ins.* p. 13. n. 117 (1787).

Brazil. (Obtained 1850, collected by A. R. Wallace, Esq.) B.M.

In the genera of 'Diurnal Lepidoptera' this species is considered

* The genus *Morpho*, as regards its neuration, exhibits much in common with such genera as *Smyrna* and *Godartia*.

† Reise der Novara, ii. pls. 64, 65 (186—?).

to be the male of *M. Hecuba*, but the latter seems to be quite a distinct species.

4. **Morpho Telemachus.**

♀. Papilio (E. A.) Telemachus, *Linnæus*, "alis dentatis, fuscis, area communi cærulea radiata; singulis subtus ocellis sex: habitat in America meridionali."

Fabricius, Syst. Ent. p. 458. n. 64 (1775); *Sp. Ins.* p. 25. n. 100 (1781); *Ent. Syst.* iii. p. 86. n. 269 (1793).

Brazil. (Obtained 1842) B.M.

This species, according to Prof. Westwood, is identical with Esper's *P. Anaxibia*; but, of course, this cannot affect its right to priority.

5. **Morpho Menelaus.**

♂. Papilio (E. A.) Menelaus, *Linnæus*, "alis dentatis, supra cæruleis, nitidissimis; subtus nebulosis punctis fuscis: habitat in America meridionali." *Clerck, Icon.* pl. 21. fig. 1 (1764), but not of Donovan's 'China.'

♀. Papilio (E. A.) Nestor, *Linnæus*, "alis dentatis, supra fuscis, albo maculatis discoque cæruleo, subtus ocellis tribus binisque: habitat in America." *Cramer, Pap. Exot.* i. pl. 19. figs. A, B (1775).

Fabricius, Syst. Ent. p. 458. n. 63, 65 (1775); *Sp. Ins.* pp. 24, 25, n. 98, 101 (1781); *Mant. Ins.* p. 13. n. 115, 118 (1787); *Ent. Syst.* iii. pp. 85, 86, n. 266, 270 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

6. **Morpho Laertes.**

Papilio (N.) Laertes, *Drury*, "alis dentatis cinereo albis: anticis apice nigris, posticis subtus striga ocellorum flavorum: habitat in America meridionali." *Ill.* iii. pl. 15. fig. 1 (1782).

Fabricius, Ent. Syst. iii. p. 84. n. 262 (1793).

Brazil. (Obtained 1847) B.M.

7. **Morpho Achilles.**

Papilio (E. A.) Achilles, *Linnæus*, "alis dentatis, supra nigris; fascia cærulea: subtus fuscis, ocellis tribus quinisque: habitat in America." *Clerk, Icon.* pl. 24. fig. 2 (1764).

Fabricius, Syst. Ent. p. 456. n. 54 (1775); *Sp. Ins.* p. 21. n. 88 (1781); *Mant. Ins.* p. 11. n. 101 (1787); *Ent. Syst.* iii. p. 81. n. 253 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

There are two specimens of *P. Achilles* in the Banksian Collection in the British Museum.

Genus 2. CLEROME, *Westwood*, *Gen. Diurn. Lepid.* p. 333 (1851).

1. Clerome Eumeus.

Papilio (D. F.) Gripus, *Fabricius* [P. Eumeus, *Drury*], "alis integris, subfuscis: subtus striga punctorum alborum: habitat in India." *Ill.* i. pl. 2. fig. 3 (1770).

Fabricius, Syst. Ent. app. p. 829. n. 178, 179 (1776); *Sp. Ins.* p. 58. n. 255 (1781).

Papilio Grispus (*sic*), *Fabricius, Mant. Ins.* p. 28. n. 294 (1787); *Ent. Syst.* iii. p. 149. n. 457 (1793).

North India. (Obtained 1862) B.M.

2. Clerome Arcesilaus.

Papilio (D. F.) Arcesilaus, *Fabricius*, "alis integerrimis, supra ferrugineis immaculatis; subtus fuscis, strigis duabus obscurioribus: habitat in Siam." *Donovan, Ins. Ind.* pl. 30. fig. 2 (1800).

Fabricius, Mant. Ins. p. 28. n. 305 (1787); *Ent. Syst.* iii. p. 153. n. 470 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

The type specimen of *P. Arcesilaus* is in the Banksian Collection in the British Museum.

Genus 3. DRUSILLA, *Swainson*, *Zool. Ill.* i. pl. 11 (1821).

1. Drusilla Urania.

Papilio (H.) Urania, *Linnæus*, "alis oblongis, integerrimis, fuscis, disco albis; posticis ocellis utrinque binis: habitat in Indiis."

Fabricius, Syst. Ent. p. 461. n. 79 (1775); *Sp. Ins.* p. 29. n. 117 (1781); *Mant. Ins.* p. 14. n. 136 (1787); *Ent. Syst.* iii. p. 166. n. 513 (1793).

Amboina. (Obtained 1858, collected by A. R. Wallace, Esq.) B.M.

Race. Papilio (D. F.) Jairus, *Cramer*, "alis integerrimis fuscis: anticis supra ocello subtus duobus, posticis sesquialtero: habitat in India orientali." *Pap. Exot.* i. pl. 6. figs. A, B (1775); ? *Donovan, Ins. China*, pl. 34 (1798).

Fabricius, Gen. Ins. p. 258. n. 187, 188 (1776); *Sp. Ins.* p. 63. n. 281 (1781); *Mant. Ins.* p. 30. n. 325 (1787); *Ent. Syst.* iii. p. 54. n. 168 (1793).

Genus 4. DISCOPHORA, *Boisduval*,
Suit. Buff. i. pl. 8 B (1836).

1. Discophora Tullia.

Papilio (N. G.) Tullia, *Cramer*, "alis dentatis fuscis maculis ocellaribus, subtus fascia violacea, posticarum ocellis duobus: habitat in China." *Pap. Exot.* i. pl. 81. figs. A, B (1779).

Fabricius, Sp. Ins. p. 76. n. 337 (1781); *Mant. Ins.* p. 38. n. 394 (1787); *Ent. Syst.* iii. p. 98. n. 305 (1793).

Silhet. (Obtained 1845, from Mr. Stainsforth) B.M.

2. Discophora Menetho.

♀. Papilio (N.) Menetho, *Fabricius*, "alis dentatis fuscis, margine flavo maculato; posticis subtus ocellis duobus: habitat in India." *Donovan, Ins. Ind.* pl. 30. fig. 1 (1800).

♀. Papilio (N.) Aristides, *Fabricius*, "alis dentatis fuscis flavo maculatis; posticis subtus ocellis duobus: habitat in Indiis."

Fabricius, Ent. Syst. iii. pp. 83, 86, n. 260, 268 (1793).

Nepal. (Presented 1867, by Dr. Wright, of the British Museum) B.M.

The *P. Celinde* of Stoll is the Javan representative of *P. Menetho*.

The figure in Jones's 'Icones,' referred to *Aristides* by Fabricius, is identical with *Menetho*, and is lettered "*P. Manetho* (sic), Fabricius" by Mr. Jones.

Genus 5. AMATHUSIA, *Fabricius*,
Illiger's Magaz. vi. p. 279 (1808).

1. Amathusia Aurelius.

Papilio (E. A.) Aurelius, *Cramer*, "alis subcaudatis fuscis apice atris albo maculatis, posticis subtus ocellis duobus: habitat in India orientali." *Pap. Exot.* ii. pl. 168. figs. A, B (1779).

Fabricius, Sp. Ins. p. 21. n. 86 (1781); *Mant. Ins.* p. 11. n. 99 (1787); *Ent. Syst.* iii. p. 71. n. 222 (1793).

2. Amathusia Phidippus.

Papilio (E. A.) Phidippus, *Linnæus*, "alis subcaudatis, fuscis, subtus fasciis albis, biocellatis; caudæ ocellis geminis: habitat in India." *Cramer, Pap. Exot.* i. pl. 69. figs. A, B (1779).

Fabricius, Syst. Ent. p. 455. n. 52 (1775); *Sp. Ins.* p. 21. n. 85 (1781); *Mant. Ins.* p. 11. n. 97 (1787); *Ent. Syst.* iii. p. 71. n. 220 (1793).

Java. (Obtained 1849, from Mr. Argent) B.M.

There is one specimen of *P. Phidippus* in the Banksian Collection in the British Museum.

Genus 6. BIA, *Hübner*,
Verz. bek. Schmett. p. 51 (1816).

1. Bia Actorion.

Papilio (P. U.) Actorion, *Linnæus*, "alis subcaudatis, fuscis: anticis fascia lutescente exteriore maculaque cærulea postica, subtusque ocello: habitat in Indiis." *Clerck, Icon.* pl. 36. figs. 3, 4 (1764).

Fabricius, Syst. Ent. p. 533. n. 386 (1775); *Sp. Ins.* p. 61. n. 271 (1781); *Mant. Ins.* p. 29. n. 312 (1787).

Pará, Lower Amazons. (Obtained 1844, collected by H. W. Bates, Esq.) B.M.

Subfamily V. *NYMPHALINÆ*, Bates,
Journ. Entom. x. p. 176 (1864).

Group 1. **Nymphalides.**

Genus 1. KALLIMA, *Westwood*,
Gen. Diurn. Lepid. p. 324 (1850).

1. Kallima Cymodoce.

Papilio (D. F.) Cymodoce, *Cramer*, "alis subcaudatis fuscis, basi cæruleo nitidis, posticis ocello utrinque unico: habitat Surinami." *Pap. Exot.* i. pl. 99. figs. G, H (1779).

Fabricius, Sp. Ins. p. 61. n. 272 (1781); *Mant. Ins.* p. 29. n. 313 (1787); *Ent. Syst.* iii. p. 74. n. 231 (1793).

Ashanti, ♂ ♀. (Obtained 1842) B.M.

2. Kallima Bisaltide.

Papilio (D. F.) Bisaltide, *Cramer*, "alis subcaudatis fulvis, apice nigris, subtus punctis ocellaribus, anticis duobus, posticis tribus: habitat Surinami." *Pap. Exot.* ii. pl. 102. figs. C, D (1779).

Papilio (D. F.) Drusius, *Fabricius*, "alis integerrimis fulvis, apice nigris; posticis subtus punctis albis ocellisque duobus: habitat in insula Rotterdam." *Donovan, Ins. New Holland*, pl. 26. fig. 2 (1805).

Fabricius, Sp. Ins. p. 61. n. 273 (1781); *Mant. Ins.* pp. 29, 32, n. 314, 346 (1787); *Ent. Syst.* iii. pp. 56, 74, n. 172, 232 (1793).

Java. (Obtained 1849) B.M.

Genus 2. SIDERONE, *Boisduval*,
Suit. Buff. i. pl. 4 *b* (1836).

1. Siderone Isidora.

Papilio (N.) Isidore (*sic*), *Fabricius* [P. Isidora, *Cramer*], "alis falcato-caudatis fulvis: anticis punctis duobus mediis pallidis apiceque nigris: habitat in Indiis." *Pap. Exot.* iii. pl. 235. figs. A, B (1782).

Fabricius, Ent. Syst. iii. p. 78. n. 244 (1793).

Oajaca, Mexico. (Obtained 1844, from Mr. Hartweg) B.M.

2. Siderone Itys.

Papilio (D. F.) Itys, *Cramer*, "alis subcaudatis fulvis, apice flavo nigris, subtus variegatis, posticis basi cæruleis: habitat Surinami." *Pap. Exot.* ii. pl. 119. figs. F, G (1779). P. Isidore, *Donovan, Ins. Ind.* pl. 33. fig. 4 (1800).

Fabricius, Sp. Ins. p. 60. n. 268 (1781); *Mant. Ins.* p. 29. n. 309 (1787); *Ent. Syst.* iii. p. 73. n. 230 (1733).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

3. Siderone Marthesia.

Papilio (D. F.) Marthesius (*sic*), *Fabricius* [Marthesia, *Cramer*], "alis integris atris, anticis disco fulvo, posticis striga punctorum alborum: habitat Surinami." *Pap. Exot.* ii. pl. 191. figs. A, B (1779).

Fabricius, Sp. Ins. p. 60. n. 264 (1781); *Mant. Ins.* p. 28. n. 304 (1787); *Ent. Syst.* iii. p. 152. n. 469 (1793).

Alter do chao, near Santarem, Lower Amazons. (Obtained 1854, collected by H. W. Bates, Esq.) B.M.

4. Siderone Galanthis.

Papilio (D. F.) Galanthis, *Cramer*, "alis integerrimis, supra atris sanguineo fasciatis; anticis punctis duobus apicis albis: habitat Surinami." *Pap. Exot.* i. pl. 24. figs. D, E (1775).

Fabricius, Gen. Ins. p. 257. n. 167, 168 (1776); *Sp. Ins.* p. 54. n. 238 (1781); *Mant. Ins.* p. 27. n. 27 (1787); *Ent. Syst.* iii. p. 46. n. 142 (1793).

Genus 3. PAPHIA (part. *Fabricius*), *Westwood, Gen. Diurn. Lepid.* p. 317 (1850).

1. Paphia Troglodyta.

Papilio (N. P) Troglodyta, *Fabricius*, "alis dentato-caudatis, rufis, striga margineque postico fuscis: habitat in America."

Fabricius, Syst. Ent. p. 502. n. 250 (1775); *Sp. Ins.* p. 87. n. 384 (1781).

P. Troglodita (*sic*), *Fabricius, Mant. Ins.* p. 47. n. 464 (1787); *Ent. Syst.* iii. p. 77. n. 240 (1793).

Jamaica (see Doubleday's 'List,' p. 113). B.M.

2. Paphia Portia.

Papilio (N. P.) Portia, *Fabricius*, "alis dentato-caudatis, fulvis, nigro maculatis; subtus griseis, nigro irroratis: habitat in America."

♀. Papilio (N.) Astina, *Fabricius*, "alis caudatis fuscis: disco communi fulvo, anticis lunula atra: habitat in insula St. Thomas."

Fabricius, Syst. Ent. p. 507. n. 268 (1775); *Mant. Ins.* p. 50. n. 498 (1787); *Ent. Syst.* pp. 78, 81, n. 242, 251 (1793).

Jamaica. (Obtained 1846, from Mr. Gosse) B.M.

P. Astina is figured in the unpublished 'Icones' of the late Mr. Jones, and is evidently the female of *P. Portia*.

3. Paphia Eribotes.

♀. Papilio (D. F.) Eribotes, *Fabricius*, "alis integerrimis, subcaudatis, fulvis, basi cærulescentibus, subtus griseis: habitat in India." *Donovan, Ins. Ind.* pl. 33. fig. 3 (1800).

Fabricius, Syst. Ent. p. 484. n. 183 (1775); *Sp. Ins.* p. 60. n. 267 (1781); *Mant. Ins.* p. 29. n. 308 (1787); *Ent. Syst.* iii. p. 73. n. 229 (1793).

Pará, Lower Amazons. (♂ obtained 1849, ♀ 1851, collected by H. W. Bates, Esq.) B.M.

4. Paphia Morvus.

Papilio (D. F.) Morvus, *Fabricius*, "alis integris, subcaudatis, supra fuscis cæruleo nitentibus, subtus griseis: habitat in India." Arachne, *Cramer, Pap. Exot.* i. pl. 48. figs. A, B, bad (1779).

Fabricius, Syst. Ent. p. 484. n. 184 (1775); *Sp. Ins.* p. 61. n. 270 (1781); *Mant. Ins.* p. 29. n. 311 (1787); *Ent. Syst.* iii. p. 73. n. 227 (1793).

Ega, Upper Amazons. (Obtained 1851, collected by H. W. Bates, Esq.) B.M.

5. Paphia Laertes.

Papilio (D. F.) Laertes, *Cramer*, "alis caudatis fuscis basi cæruleis; posticis supra punctis quinque albis, subtus quatuor ocellaribus: habitat Surinami." *Pap. Exot.* i. pl. 73. figs. C, D (1779).

Fabricius, Sp. Ins. p. 60. n. 269 (1781); *Mant. Ins.* p. 29. n. 310 (1787); *Ent. Syst.* p. 73. n. 226 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

6. Paphia Octavius.

Papilio (N.) Octavius, *Fabricius*, "alis caudatis nigris, fascia abbreviata viridi; subtus griseis, striga fusca: habitat in India." *Donovan, Ins. Ind.* pl. 29. fig. 2 (1800).

Fabricius, Ent. Syst. iii. p. 73. n. 228 (1793).

7. Paphia Polycarmes.

Papilo (D. F.) Polycarmes, *Fabricius*, "alis integerrimis, supra nigris, subtus brunneis, immaculatis: habitat in Indiis." P. Odilia, *Cramer, Pap. Exot.* iv. pl. 329. figs. C, D (1782).

Fabricius, Syst. Ent. p. 484. n. 181 (1775); *Sp. Ins.* p. 60. n. 265 (1781); *Mant. Ins.* p. 29. n. 306 (1787); *Ent. Syst.* iii. p. 153. n. 472 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

Group 2. **Apaturæ.**

Genus 4. PROTOGONIUS, *Hübner*,
Verz. bek. Schmett. p. 100 (1816).

1. Protogonius Hippona.

Papilio (N. P.) Hippona, *Fabricius*, "alis dentato-caudatis flavo nigroque variis; posticis punctis quatuor albis: habitat in India." P. Fabius, *Cramer, Pap. Exot.* i. pl. 90. figs. C, D (1779); P. Hippona, *Donovan, Ins. Ind.* pl. 35. fig. 1 (1800).

Fabricius, Gen. Ins. p. 265. n. 280–288 (1776); *Sp. Ins.* p. 99. n. 434 (1781); *Mant. Ins.* p. 54. n. 528 (1787); *Ent. Syst.* iii. p. 180. n. 559 (1793).

*Var.** Pará, Lower Amazons. (Presented 1845, by Reginald Grahame, Esq.) B.M.

There are two mutilated specimens of *P. Hippona* in the Banksian Collection in the British Museum.

Genus 5. HYPNA, *Hübner*,
Verz. bek. Schmett. p. 56 (1816).

1. Hypna Clytemnestra.

Papilio (N. P.) Clytemnestra, *Cramer*, "alis angulatis nigris, subtus albo maculatis, anticis utrinque fascia flava: habitat Surinami." *Pap. Exot.* ii. pl. 137. figs. A, B, broken (1779), iv. pl. 364. figs. A, B (1782), nec *Donovan in Nat. Rep.* iv. pl. 125. See *Proc. Zool. Soc.* p. 208. n. 3a (1866).

Fabricius, Sp. Ins. p. 93. n. 406 (1781); *Mant. Ins.* p. 50. n. 491 (1787); *Ent. Syst.* iii. p. 123. n. 375 (1793).

There is a specimen of this species from Pará in Mr. Bates's collection, and a second in Mr. Hewitson's collection; they agree in every respect with Cramer's figure on pl. 364.

Genus 6. PHILOGNOMA, *Westwood*,
Gen. Diurn. Lepid. p. 310 (1850).

1. Philognoma Laodice.

Papilio (N.) Lycurgus, *Fabricius* [P. Laodice, *Drury*], "alis caudatis nigris; lunulis marginalibus cæruleis posticisque punctis albis: habitat in Africa." *Ill.* iii. pl. 26. figs. 1, 2 (1712).

Fabricius, Ent. Syst. iii. p. 67. n. 209 (1793).

Not in the collection of the British Museum.

2. Philognoma Decius.

Papilio (E. A.) Decius, *Cramer*, "alis caudatis fascia communi

* Maculis posticarum apicalibus flavis, haud albis.

alba, posticis apice rufis, ocellis punctisque duobus albis: habitat in Guinea." *Pap. Exot.* ii. pl. 114. figs. A, B (1779); *Donovan, Nat. Rep.* iv. pl. 109 (1826).

Fabricius, Sp. Ins. p. 18. n. 71 (1781); *Mant. Ins.* p. 10. n. 81 (1787); *Ent. Syst.* iii. p. 67. n. 210 (1793).

Ashanti. (♂ obtained 1842, ♀ 1844, from the Wesleyan Missionary Society) B.M.

3. **Philognoma Varanes.**

Papilio (E. A.) Varanes, *Cramer*, "alis caudatis, supra fuscis fulvo nigroque maculatis basi albis: habitat in India." *Pap. Exot.* ii. pl. 160. figs. D, E (1779).

Fabricius, Sp. Ins. p. 14. n. 55 (1781); *Mant. Ins.* p. 7. n. 61 (1787); *Ent. Syst.* iii. p. 66. n. 206 (1793).

Sierra Leone. (Presented 1838, by the Rev. D. F. Morgan) B.M.

According to Mr. Trimen, not uncommon in woods and copses about bushes or young sapling trees (Rhop. Afr. Austr. p. 183).

Cramer gives "Amboina" as the locality for *P. Varanes*; probably he confounded it with *Cynthia Arsinoë*, which it slightly resembles.

Genus 7. CHARAXES, *Ochsenheimer*, *Schmett.* iv. p. 18 (1816).

1. **Charaxes Eupale.**

Papilio (N.) Amasia, *Fabricius* [P. Eupale, *Drury*], "alis dentatis viridibus; posticis supra punctis marginalibus nigris, subtus ocellaribus: habitat Surinami." *Ill.* iii. pl. 6. fig. 3 (1783).

Fabricius, Ent. Syst. iii. p. 136. n. 419 (1793).

Ashanti. (Obtained 1844) B.M.

2. **Charaxes Bernardus.**

Papilio (N.) Bernardus, *Fabricius*, "alis caudatis fulvis; anticis apice atris fascia flava, posticis striga punctorum ocellatorum: habitat in China." *Donovan, Ins. China*, pl. 35 (1778).

Fabricius, Ent. Syst. iii. p. 71. n. 223 (1793).

China. (Obtained from Mr. James as *Apatura Polixo*, Godt.) B.M.

3. **Charaxes Eurialus.**

♂. Papilio (E. A.) Euryalus (*sic*), *Fabricius* [P. Eurialus, *Cramer*], "alis caudatis nigris, posticis ante marginem cæruleis, maculis nigris, pupilla alba." *Pap. Exot.* i. pl. 74. figs. A, B (1779).

♀. Papilio (E. A.) Nisus, *Cramer*, "alis caudatis nigris, anticis fascia fulva, posticis alba submarginali: habitat in Amboina." *Pap. Exot.* ii. pl. 150. figs. A, B (1779).

Fabricius, Sp. Ins. pp. 20, 21, n. 83, 84 (1781); *Mant. Ins.*

p. 11. n. 95, 96 (1787); *Ent. Syst.* iii. p. 70. n. 218, 219 (1793).

Amboina. (Obtained 1858; collected by A. R. Wallace, Esq.) B.M.

4. Charaxes Sempronius.

Papilio (N.) Sempronius, *Fabricius*, "alis bicaudatis albis: margine atro albo punctato: habitat . . . . ."

Fabricius, Ent. Syst. iii. p. 62. n. 194 (1793).

Near Sydney, Australia. (Obtained 1856, collected by Mr. Stutchbury) B.M.

Figured in the unpublished 'Icones' of the late Mr. Jones of Chelsea.

5. Charaxes Pyrrhus.

Papilio (E. A.) Pyrrhus, *Linnæus*, "alis bicaudatis, fuscis; fascia communi alba, primorum dimidiata: habitat in Indiis." *Clerck, Icon.* pl. 25. fig. 2 (1764).

Fabricius (part.), *Syst. Ent.* p. 449. n. 30 (1775); *Sp. Ins.* p. 10. n. 41 (1781); *Mant. Ins.* p. 6. n. 45 (1787); *Ent. Syst.* iii. p. 61. n. 192 (1793).

There are specimens of *P. Pyrrhus* from Amboina in several private collections. It is evident that Linnæus described the species from Clerck's figure; for in his private copy of the 10th edition of his 'Systema,' in the Library of the Linnean Society, he has not marked it as in his collection; but in the collection a specimen of Drury's *P. Athamas* bears the typical label.

6. Charaxes Athamas.

Papilio (E. A.) Pyrrhus (part.), *Fabricius* [P. Athamas, *Drury*]. *Ill.* ii. pl. 2. figs. 3, 4 (1773), "China," *Drury*. P. Pyrrhus, *Donovan, Ins. Ind.* pl. 29. fig. 3 (1800).

Fabricius (part.), *Syst. Ent.* p. 449. n. 30 (1775); *Sp. Ins.* p. 10. n. 41 (1781); *Mant. Ins.* p. 6. n. 45 (1787); *Ent. Syst.* iii. p. 61. n. 192 (1793).

Java. (Obtained 1850, from the Hon. East-India Comp.) B.M.

There is a variety of this species in the Banksian Collection labelled "*P. Pyrrhus*" (see P. Z. S. 1865, pp. 632, 634).

P. Athamas, according to Capt. Lang, affects rocky-bedded streams in Himalayan glens 3000 to 5000 feet.

7. Charaxes Xiphares.

♀. Papilio (E. A.) Xiphares, *Cramer*, "alis dentato-caudatis nigris; anticis albo maculatis, posticis fascia flava: habitat in Africa."

Pap. Exot. iv. pl. 377. figs. A, B (1782). ♂. Thieste, *Stoll, Pap. Exot.* pl. 32. figs. 2, 2*b* (1791).

Fabricius, Mant. Ins. p. 11. n. 98 (1787); *Ent. Syst.* iii. p. 71. n. 221 (1793).

South Africa. (Presented 1844, by Vice-Admiral Sir E. Belcher) B.M.

Mr. Trimen gives a most interesting account of the habits of this species in his 'Rhopalocera Africæ Australis,' p. 170; it is tolerably common in woods at Knysna and Plettenberg Bay, but is difficult to capture.

8. Charaxes Tiridates.

Papilio (E. A.) Tiridates, *Cramer*, "alis dentato-bicaudatis supra nigris cæruleo maculatis margineque albo punctato: habitat in Amboina." *Pap. Exot.* ii. pl. 161. figs. A, B (1779); *Donovan, Ins. Ind.* pl. 20. fig. 3 (1800).

Papilio (N.) Marica, *Fabricius*, "alis dentatis testaceis apice nigris; anticarum fascia alba, posticarum punctis cyaneis: habitat in Africa." *Donovan, Nat. Rep.* ii. pl. 37 (1824).

♂, *Fabricius, Sp. Ins.* p. 11. n. 43 (1781); *Mant. Ins.* p. 6. n. 47 (1787); ♂ ♀, *Fabricius, Ent. Syst.* iii. pp. 62, 113, n. 195, 346 (1793).

Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

The type specimen of *P. Marica* is in the Banksian Collection in the British Museum.

9. Charaxes Etheocles.

Papilio(E. A.) Etheocles, *Cramer*, "alis bicaudatis, cæruleo-fuscis, utrinque fascia alba, posticis margine viridi: habitat in Africa æquinoctiali." *Pap. Exot.* ii. pl. 119. figs. D, E (1779).

Fabricius, Sp. Ins. p. 12. n. 46 (1781); *Mant. Ins.* p. 6. n. 51 (1787); *Ent. Syst.* iii. p. 64. n. 200 (1793).

Unless the *N. Ephyra* of Godart is the male of this species, we do not possess it; the *N. Ethalion* of Boisduval represents the southern form of *N. Ephyra* (see Trimen in Rhop. Afr. Austr. p. 172*).

10. Charaxes Fabius.

Papilio (E. A.) Fabius, *Fabricius*, "alis dentato-bicaudatis, fuscis, flavo fasciatis, subtus basi nigro undatis apice punctis fulvis: habitat in India."

Papilio (N.) Solon, *Fabricius*, "alis caudatis nigris, fascia flavescente, basi fuscis: habitat . . . . ."

Fabricius, Sp. Ins. p. 12. n. 47 (1781); *Mant. Ins.* p. 7. n. 52 (1787); *Ent. Syst.* iii. pp. 64, 69, n. 201, 216 (1793).

Madras. (Presented 1859, by the Zoological Society of London, from the Vigorsian Collection) B.M.

* We have *N. Ephyra* from South and West Africa.

The type specimen of *P. Fabius* is in the Banksian Collection. *P. Solon* is figured amongst the unpublished drawings in Jones's 'Icones.'

11. Charaxes Anticlea.

Papilio (N.) Horatius, *Fabricius* [P. Anticlea, *Drury*], "alis dentato-bicaudatis atris; posticis apice sanguineis, punctis ocellaribus atris: habitat . . . . ." *Ill.* iii. pl. 27. figs. 5, 6 (1782).

Fabricius, Ent. Syst. iii. p. 64. n. 202 (1793).

Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

Figured in Donovan's drawings (from Jones's 'Icones'), Bibl. Hope, Oxford.

12. Charaxes Lucretius.

Papilio (E. A.) Lucretius, *Cramer*, "alis dentatis atris fulvo fasciatis, subtus maculis atris linea cærulea cinctis: habitat in Guinea." *Pap. Exot.* i. pl. 82. figs. E, F (1779).

Fabricius, Sp. Ins. p. 22. n. 91 (1781); *Mant. Ins.* p. 12. n. 107 (1787); *Ent. Syst.* iii. p. 84. n. 261 (1793).

Ashanti. (Obtained 1844) B.M.

13. Charaxes Eudoxus.

Papilio (N.) Eudoxus, *Drury*, "alis caudatis nigris; fascia communi rubra, subtus maculis argenteis nigro fœtis: habitat in Africa." *Ill.* iii. pl. 33. figs. 1, 2 (1782).

Fabricius, Ent. Syst. iii. p. 65. n. 203 (1793).

Not in the collection of the British Museum.

14. Charaxes Pollux.

Papilio (E. A.) Castor, *Fabricius* [Pollux, *Cramer*], "alis dentato-bicaudatis fulvis margine nigris: subtus fascia maculisque albis nigro fœtis: habitat in Guinea." *Pap. Exot.* i. pl. 37. figs. E, F (1776).

Fabricius, Gen. Ins. p. 251. n. 30, 31 (1776); *Sp. Ins.* p. 11. n. 44 (1781); *Mant. Ins.* p. 6. n. 48 (1787); *Ent. Syst.* iii. p. 63. n. 196 (1793).

Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

There is a specimen of *P. Pollux* in the Banksian Collection in the British Museum; it is figured by Drury (Ill. iii. pl. 30, 1782) under the name of *P. Camulus*, and again by Donovan (Nat. Rep. iv. pl. 116, 1826) as *P. Castor*.

15. Charaxes Castor.

Papilio (E. A.) Pollux, *Fabricius* [Castor, *Cramer*], "alis dentato-

bicaudatis fuscis fascia flava; subtus fascia maculisque albis nigro fœtis: habitat in Guinea." *Pap. Exot.* i. pl. 37. figs. C, D (1776).

Fabricius, Gen. Ins. p. 251. n. 30, 31 (1776); *Sp. Ins.* p. 11. n. 45 (1781); *Mant. Ins.* p. 6. n. 49 (1787); *Ent. Syst.* iii. p. 63. n. 197 (1793).

Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

16. **Charaxes Jason.**

Papilio (E. A.) Jasius, *Fabricius* [P. Jason, Linnæus], "alis bicaudatis, fuscis, postice lutescentibus, subtus fascia characteribusque albis: habitat in Barbaria." *Drury, Ill.* i. pl. 1. fig. 1 (1770).

Fabricius, Syst. Ent. p. 449. n. 29 (1775); *Sp. Ins.* p. 10. n. 40 (1781); *Mant. Ins.* p. 6. n. 44 (1787); *Ent. Syst.* iii. p. 61. n. 191 (1793).

South Europe. (Obtained 1845, from Herr J. J. Becker) B.M.

Mr. Ward, of Halifax, has in his collection some African examples of this species, which he says have the upper surface of the wings brilliantly shot with purple.

Aberrant Species.

17. **Charaxes Berenice.**

♂. Papilio (N. P.) Berenice, *Drury*, "alis dentato-caudatis nigris: fascia communi rubra, posticis subtus nigro albo ferrugineo flavoque variis: habitat in Sierra Leon Africæ." *Ill.* iii. pl. 11. figs. 1, 2 (1782); *Donovan, Nat. Rep.* iii. pl. 107 (1825).

Fabricius, Mant. Ins. p. 48. n. 471 (1787); *Ent. Syst.* iii. p. 114. n. 350 (1793).

♂, Sierra Leone (collected 1858, by Mr. James Foxcroft); ♀, West Africa (obtained 1856, from Capt. Parry). B.M.

There is one male specimen of *P. Berenice* in the Banksian Collection. A superficial resemblance which this species bears to the *N. Caledonia* of Hewitson induced me to place it in the genus *Prothoë* with that species; the different neuration of *P. Berenice*, however, with other minor distinctions, at once separates it from that group of insects. In coloration this species bears a distant resemblance to some of the African *Acræinæ*; but its robustness precludes the probability of its being an example of mimetic analogy.

Genus 8. AGANISTHOS, *Boisduval*,

Suit. Buff. i. pl. 4 B (1836).

1. **Aganisthos Odius.**

Papilio (E. A.) Odius, *Fabricius*, "alis falcatis, subdentatis, fuscis; anticis disco flavo: habitat in Indiis."

Fabricius, Syst. Ent. p. 457. n. 60 (1775); *Sp. Ins.* p. 23. n. 95 (1781); *Mant. Ins.* p. 12. n. 111 (1787).

St. Domingo. (Obtained 1855, collected by Mr. Tweedie) B.M.

Race. Papilio (D. F.) Orion, *Fabricius*, " alis integerrimis; anticis falcatis, rufis apice nigris, macula marginali alba: habitat Surinami."

Fabricius, Syst. Ent. p. 485. n. 183 (1775); *Sp. Ins.* p. 62. n. 274 (1781); *Mant. Ins.* p. 29. n. 315 (1787); *Ent. Syst.* iii. p. 55. n. 170 (1793).

Brazil. (Presented by Major-General Thomas Hardwicke) B.M.

There is one specimen of " *P. Orion*" in the Banksian Collection.

Genus 9. MEGISTANIS, *Westwood*, *Gen. Diurn. Lepid.* p. 311 (1850).

1. **Megistanis Aeclus.**

Papilio (E. A.) Aeclus, *Cramer*, " alis dentato-bicaudatis supra nigris; subtus cinereis nigro undatis: macula ocellari fulva: habitat in Amboina." *Pap. Exot.* iv. pl. 317. figs. A, B (1782).

Fabricius, Mant. Ins. p. 6. n. 50 (1787); *Ent. Syst.* iii. p. 63. n. 198 (1793).

Probably, like the other members of the group, this is a New-World species.

2. **Megistanis Acheronta.**

Papilio (N. P.) Acheronta, *Fabricius*, " alis dentato-caudatis; anticis basi rubris, apice nigris, albo maculatis: habitat in Brazilia." P. Cadmus, *Cramer, Pap. Exot.* i. pl. 22. figs. A, B (1779).

Fabricius, Syst. Ent. p. 501. n. 249 (1775); *Sp. Ins.* p. 87. n. 383 (1781); *Mant. Ins.* p. 47. n. 463 (1787); *Ent. Syst.* iii. p. 76. n. 239 (1793).

Brazil. (Presented by Major-General Thomas Hardwicke) B.M.

There is one specimen of *P. Acheronta* (probably the type) in the Banksian Collection in the British Museum.

Genus 10. PREPONA, *Boisduval*, *Suit. Buff.* i. pl. 2 B (1836).

1. **Prepona Amphimachus.**

Papilio (E. A.) Amphimachus, *Fabricius*, " alis dentatis, atris, fascia cærulea, nitida; subtus antice albis, postice cinereis: habitat in Indiis."

Fabricius, Syst. Ent. p. 457. n. 59 (1775); *Sp. Ins.* p. 23. n. 94 (1781); *Mant. Ins.* p. 12. n. 110 (1787); *Ent. Syst.* iii. p. 37. n. 110 (1793).

Brazil. (Obtained 1843) B.M.

2. **Prepona Demophon.**

Papilio (E. A.) Demophon, *Linnæus*, "alis dentatis, supra nigris, fascia viridi, subtus griseo marmoratis: habitat in Indiis." *Clerck*, *Icon.* pl. 29. fig. 2 (1764).

Fabricius, *Syst. Ent.* p. 457. n. 61 (1775); *Ent. Syst.* iii. p. 85. n. 265 (1793).

Bogota. (Obtained 1856, from the Collection of the late Mr. Stevens of Bogota) B.M.

A flattened specimen of Godart's *N. Demodice* represents *P. Demophon* in the Banksian Collection; the latter seems to be identical with Hübner's *P. Thalpius*. Fabricius, in his 'Species Insectorum,' quotes Cramer's pl. 158 (three distinct species) as representing this insect.

3. **Prepona Pheridamas.**

Papilio (E. A.) Demophon (part.), *Fabricius* [Pheridamas, *Cramer*], "alis subtus griseis albo strigosis: habitat in Indiis." *Pap. Exot.* ii. pl. 158. figs. A, B (1779).

Fabricius, *Sp. Ins.* p. 24. n. 97 (1781); *Mant. Ins.* p. 12. n. 114. (1787).

Pará, Lower Amazons. (Presented 1845, by Reginald Grahame, Esq.) B.M.

Genus 11. APATURA, *Fabricius*,

Illiger's Mag. vi. p. 280 (1808).

1. **Apatura Iris.**

Papilio (N. G.) Iris, *Linnæus*, "alis dentatis, utrinque fascia albida interrupta ocelloque unico: habitat in *Salice*, *Fraxino*."

Var. Papilio (N. G.) Iole, *Denis*, "alis dentatis fuscis cæruleo micantibus: posticis ocello unico, subtus brunneis: margine rubente: habitat in Austria." *Esper*, *Eur. Schmett.* i. pt. 1. pl. 46. fig. 1 (1777); "at pagina inferior alarum differt," *Fabr.*

Fabricius, *Syst. Ent.* p. 501. n. 248 (1793); *Sp. Ins.* p. 86. n. 382 (1781); *Mant. Ins.* pp. 46, 47, n. 460, 462 (1787).

Var. Beroë=Iole, *Fabricius*, *Ent. Syst.* iii. pp. 110, 111, n. 339, 341 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

2. **Apatura Ilia.**

Papilio (N. G.) Ilia, *Denis*, "alis dentatis cæruleo micantibus utrinque fascia alba interrupta; omnibus ocello unico: habitat in Germaniæ *Salice*." P. Iris, *Esper*, *Schmett.* pl. 37. fig. 1 (1777).

Fabricius, *Mant. Ins.* p. 46. n. 461 (1787); *Ent. Syst.* iii. p. 110. n. 340 (1793).

Germany. (From Herr J. J. Becker's Collection) B.M.

3. **Apatura Lycaon.**

♂. Papilio (S.) Lycaon, *Fabricius*, "alis dentatis, anticis fuscis flavo alboque maculatis; posticis furrugineis, ocellis sex cæcis: subtus variegatis, ocellis octo: habitat . . . ."

♀. Papilio (S.) Herse, *Fabricius*, "alis dentatis fusco ferrugineis; anticis albo punctatis, posticis utrinque ocellis septem cæcis: habitat . . . ."

Fabricius, Ent. Syst. iii. pp. 228, 229, n. 714, 718 (1793).

This species is well figured in Jones's unpublished 'Icones;' it comes very near a new species lately figured by Mr. Edwards of West Virginia.

4. **Apatura Laura.**

Papilio (N. P.) Laura, *Drury*, "alis angulato-dentatis, fuscis; fascia communi dimidiato fulva; posticis subtus argenteis; fascia nivea: habitat in Jamaica." *Ill.* ii. pl. 17. figs. 5, 6.

Fabricius, Syst. Ent. p. 510. n. 282 (1775); *Sp. Ins.* p. 99. n. 436 (1781); *Mant. Ins.* p. 54. n. 531 (1787); *Ent. Syst.* iii. p. 134. n. 415 (1793).

♂ ♀, Jamaica. (Obtained 1846, from Mr. W. Gosse) B.M.

5. **Apatura Agathina.**

♂. Papilio (N. P.) Maja (part.), *Fabricius* [P. Agathina, *Cramer*], "alis dentatis fuscis, anticis albo maculatis, posticis immaculatis: habitat in Brazilia." *Pap. Exot.* ii. pl. 167. figs. E, F (1779).

Fabricius, Sp. Ins. p. 103. n. 454 (1781); *Mant. Ins.* p. 56. n. 552 (1787); *Ent. Syst.* iii. p. 138. n. 426 (1793).

Brazil. (♂, Presented 1847, by H. G. Harrington, Esq.; ♀ 1848, by W. C. Hewitson, Esq.) B.M.

Group 3. **Limenitides.**

Genus 12. HETEROCHROA, *Boisduval*, *Suit. Buff.* i. pl. 4 B (1836).

1. **Heterochroa Isis.**

Papilio (N.) Isis, *Drury*, "alis dentatis; anticis atris, macula disci sanguinea, omnibus subtus viridi lineatis: habitat in Indiis." *Ill.* iii. pl. 7. figs. 1, 2 (1782); *Donovan, Ins. Ind.* pl. 33. fig. 1 (1800).

Fabricius, Ent. Syst. iii. p. 124. n. 377 (1793).

Var., Brazil. B.M.

Donovan's figure is not a good copy of that in Jones's 'Icones:' it might well be mistaken for a species of *Callithea*; and the Fabrician "subtus viridi lineatis" would strengthen this idea. Jones's figure is evidently intended for the *Heterochroa*, and scarcely warrants this description.

2. Heterochroa Mesenteria.

Papilio (N. P.) Mesenteria, *Cramer*, "alis dentatis fuscis, anticis supra fascia fulva, subtus maculis centralibus cæruleis: habitat Surinami." *Pap. Exot.* ii. pl. 162. figs. B, C (1779).

Fabricius, Sp. Ins. p. 105. n. 462 (1781); *Mant. Ins.* p. 57. n. 564 (1787); *Ent. Syst.* iii. p. 141. n. 435 (1793).

Ega, Upper Amazons. (Obtained 1857, collected by H. W. Bates, Esq.) B.M.

There is one specimen of *P. Mesenteria*, from Surinam, in the Banksian Collection.

3. Heterochroa Lerna.

Papilio (N. P.) Iphiclus, *Clerck*, ? *Fabricius* [H. Lerna, *Hewitson*], "alis dentatis, supra fuscis, fascia communi alba maculaque ferruginea anguli ani: habitat in America meridionali." *Icon.* pl. 41. fig. 3 (1764), *not* P. Iphicla, *Linn.*

Fabricius, Syst. Ent. p. 510. n. 283 (1775).

Rio Janeiro, Brazil. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

4. Heterochroa Iphicla.

Papilio (N. P.) Iphicla, *Linnæus*, "alis fuscis, in primoribus flava in posticis alba linea: habitat in America meridionali." *Cramer, Pap. Exot.* ii. pl. 188. fig. D nec E, F (1779).

Fabricius, Sp. Ins. p. 99. n. 438 (1781); *Mant. Ins.* p. 54. n. 533 (1787).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

The type of *P. Iphicla* is in the Linnean Collection, and agrees with the species figured by Drury, Cramer, and others; the *P. Iphicla* of the 'Entomologia Systematica' (p. 135. n. 417) is a species allied to the *P. Erotia* of Hewitson.

5. Heterochroa Calliphiclea, sp. nov.

Papilio (N. P.) Cytherea, *Cramer* [nec *Linnæus*], "alis crenatis flavis: fascia communi argentea, subtus fascia argentea lanceolata." *Pap. Exot.* iv. pl. 376. figs. C, D (1782).

Fabricius, Mant. Ins. p. 62. n. 588 (1787).

There is a species very near to, if not identical with, this insect in the British Museum collection from Bolivia; it may possibly be a race of *P. Iphicla*, which it nearly resembles.

6. Heterochroa Elea.

Papilio (N. P.) Elea, *Linnæus*, "alis dentatis, fuscis: fascia anticis fulva, posticis alba: habitat in Indiis."

Papilio (N. P.) Cytherea, *Linnæus*, *Clerck*, *Icon.* pl. 39. fig. [139] 3 (1764).

Fabricius, *Syst. Ent.* pp. 513, 516, n. 300, 309 (1779); *Sp. Ins.* pp. 105, 109, n. 460, 474 (1787); *Mant. Ins.* p. 57. n. 563 (1787); *Ent. Syst.* pp. 141, 144, n. 434, 441 (1793).

Santa Lucia. (Presented 1841, by Wm. Muter, Esq.) B.M.

Genus 13. LIMENITIS, *Fabricius*,

Illiger's Magaz. iv. p. 280 (1808).

1. **Limenitis Martha.** Pl. I. fig. 4.

Papilio (N. P.) Martha, *Fabricius*, "alis dentatis fusco fulvoque variis: anticis lunulis ternatis, posticis fascia albis: habitat in Siam."

Fabricius, *Mant. Ins.* p. 56. n. 555 (1787); *Ent. Syst.* iii. p. 139. n. 429 (1793).

Sumatra. (Obtained 1854, formerly in the possession of Sir Stamford Raffles) B.M.

This species is closely allied to *L. Alankara*, Horsfield, and is intermediate between *L. Ismene*, Hewitson, and *L. Paduka*, Moore; the type specimen is in the Banksian Collection.

2. **Limenitis Procris.**

Papilio (N. P.) Procris, *Cramer*, "alis dentatis fulvis, nigro maculatis, fascia alba, subtus variegatis: habitat in China." *Pap. Exot.* ii. pl. 106. figs. E, F (1779).

Fabricius, *Sp. Ins.* p. 103. n. 452 (1781); *Mant. Ins.* p. 56. n. 550 (1787); *Ent. Syst.* iii. p. 138. n. 425 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

3. **Limenitis Sibilla.**

Papilio (N. P.) Sibilla, *Linnæus*, "alis dentatis, supra nigris, subtus ferrugineis: fascia utrinque maculari alba: habitat in *Xylosteo*, *Caprifolio*."

Fabricius, *Syst. Ent.* p. 512. n. 294 (1775); *Mant. Ins.* p. 55. n. 447 (1787).

"S. Camilla," *Fabricius*, *Ent. Syst.* iii. p. 246. n. 767 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

There is one shattered specimen of *P. Sibilla* in the Banksian Collection in the British Museum.

4. **Limenitis Camilla.**

Papilio (N. P.) Camilla, *Denis*, "alis dentatis atris cæruleo micantibus fascia utrinque maculari alba, posticis subtus basi argentea immaculata: habitat in Austria." *Esper*, *Eur. Schmett.* i. pt. 1. pl. 38. fig. 2 (1777).

P. Sibilla, *Fabricius, Sp. Ins.* p. 102. n. 451 (1781).
P. Camilla, *Fabricius, Mant. Ins.* p. 55. n. 548 (1787).
P. Sibilla, *Fabricius, Ent. Syst.* iii. p. 246. n. 766 (1793).

Italy. (Obtained 1843; collected by Dr. Dowler) B.M.

There are two specimens of *P. Camilla* in the Banksian Collection in the British Museum.

5. Limenitis Populi.

Papilio (N. P.) Populi, *Linnæus*, "alis dentatis, fuscis, albo fasciatis maculatisque; subtus luteis, albo fasciatis, maculis cærulescentibus: habitat in Europa."

Fabricius, Syst. Ent. p. 502. n. 251 (1775); *Sp. Ins.* p. 87. n. 386 (1781); *Mant. Ins.* p. 47. n. 466 (1787); *Ent. Syst.* iii. p. 111. n. 343 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

6. Limenitis Arthemis.

Papilio (N.) Lamina, *Fabricius* [P. Arthemis, *Drury*], "alis angulatis nigris: fascia utrinque communi alba, subtus rufo maculatis: habitat in Indiis." *Ill.* ii. pl. 10. figs. 3, 4 (1773).

Fabricius, Ent. Syst. iii. p. 118. n. 361 (1793).

Nova Scotia. (Obtained from Mr. Redman) B.M.

7. Limenitis Astyanax.

Papilio (E. T.) Astyanax, *Fabricius*, "alis dentatis, nigris; posticis limbo cærulescente, fascia nigra, subtus fulvo maculatis: habitat in America."

Fabricius, Syst. Ent. p. 447. n. 20 (1775); *Sp. Ins.* p. 7. n. 27 (1781); *Mant. Ins.* p. 4. n. 29 (1787).

P. Ursula, *Fabricius, Ent. Syst.* iii. p. 82. n. 257 (1793).

Ohio, United States. (Presented by E. Doubleday, Esq.) B.M.

Fabricius, in changing the above name, evidently intended to correct a supposed error in the earlier part of his 'Ent. Syst.,' where he had applied the name "*Astyanax*" to a *Papilio*.

8. Limenitis Archippus.

Papilio (D. F.) Misippus, *Fabricius* [Archippus, *Cramer*], "alis subintegris, fulvis, margine nigro, albo punctato, posticis arcu nigro: habitat in America." *Pap. Exot.* i. pl. 16. figs. C, D (1775).

Fabricius, Syst. Ent. p. 481. n. 171 (1775); *Sp. Ins.* p. 56. n. 244 (1781); *Mant. Ins.* p. 27. n. 283 (1787); *Ent. Syst.* iii. p. 50. n. 153 (1793).

East Florida. (Presented by E. Doubleday, Esq.) B.M.

P. Archippus is the "*N. Disippus*, Godt.," of Doubleday's list; the

latter name may be a corruption of *P. Diocippus*, Cramer, which represents the *P. Misippus* of Linnæus. There is one good specimen of *P. Archippus* in the Banksian Collection in the British Museum.

Genus 14. ABROTA, *Moore*,

Cat. Lep. Mus. E. I. Comp. p. 176 (1857).

1. Abrota Mirus.

♀. Papilio (F.) Mirus, *Fabricius*, "alis repandis fuscis testaceo subfasciatis: posticis subtus basi fuscis apice variegatis: habitat ....."

Fabricius, Ent. Syst. iii. p. 48. n. 146 (1793).

North India. (Obtained 1858, from Mr. Stevens) B.M.

The description of *A. Mirus* is exactly applicable to the female of Mr. Moore's *Abrota Ganga*. In the 'Genera of Diurnal Lepidoptera' the Fabrician species is referred to the genus *Euryphene*.

Genus 15. ATHYMA, *Westwood*,

Gen. Diurn. Lepid. p. 272 (1850).

1. Athyma Leucothoë.

Papilio (N. P.) Leucothoë, *Linnæus*, "alis dentatis, supra fuscis, fasciis tribus albis: subtus luteis; fasciis tribus albis, nigro notatis: habitat in Asia." P. Erosine, *Cramer, Pap. Exot.* iii. pl. 203. figs. E, F (1782).

Fabricius, Syst. Ent. p. 508. n. 272 (1775).

Leucothea (*sic*), *Fabricius, Sp. Ins.* p. 96. n. 421 (1781); *Mant. Ins.* p. 52. n. 511 (1787); *Ent. Syst.* iii. p. 129. n. 395 (1793).

China. (Presented 1842, by Mrs. Mason) B.M.

Mr. Swinhoe describes this species as common on bushes and grassy places; the males are very pugnacious (see P. Z. S. 1866).

There are two specimens of *P. Leucothoë* in the Banksian Collection in the British Museum. This is the *P. Polyxena* of Donovan's 'China,' pl. 37. fig. 4 (1798).

2. Athyma Venilia.

Papilio (N. P.) Venilia, *Linnæus*, "alis dentatis, fuscis, fascia communi arcuata alba, marginibus cærulescente: habitat in Indiis."

Fabricius, Syst. Ent. p. 509. n. 278 (1775); *Sp. Ins.* p. 98. n. 431 (1781); *Mant. Ins.* p. 53. n. 525 (1787); *Ent. Syst.* iii. p. 134. n. 511 (1793).

Amboina. (Obtained 1858, collected by A. R. Wallace, Esq.) B.M.

Genus 16. NEPTIS, *Fabricius*, *Illiger's Magaz.* vi. p. 282 (1808).

1. Neptis Aceris.

Papilio (N. P.) Aceris, *Esper*, "alis dentatis albo fasciatis, supra nigris, subtus fulvis: habitat in *Acere* Europæ, Asiæ." *Eur. Schmett.* i. pt. 2. pl. 82. fig. 1 (1777).

Fabricius, Mant. Ins. p. 52. n. 514 (1777); *Ent. Syst.* iii. p. 245. n. 763 (1793).

Europe (obtained 1841, from Herr J. J. Becker); China (presented 1845, by G. T. Lay, Esq.). B.M.

Common in woods and gardens in the Himalayas, fond of moist fern-covered rocks in glens (see Capt. Lang in Ent. Month. Mag. i. p. 132).

This is the *P. Leucothoë* of Donovan's 'China,' pl. 37. fig. 3 (1798).

2. Neptis Lucilla.

Papilio (N. P.) Lucilla, *Denis*, "alis dentatis supra fuscis, subtus brunneis utrinque fascia maculari alba: habitat in Austria." Camilla, *Esper, Eur. Schmett.* i. pt. 2. pl. 59. fig. 1 (1777).

Fabricius, Mant. Ins. p. 55. n. 549 (1787); *Ent. Syst.* iii. p. 246. n. 768 (1793).

Germany. (Obtained 1843, from Herr J. J. Becker) B.M.

There is a worn specimen of *P. Lucilla*, labelled "*P. Cœnobite*, Ernst," in the Banksian Collection in the British Museum.

3. Neptis Melicerta.

Papilio (N. P.) melicerta, *Drury*, "alis dentatis, concoloribus, atris, albo punctatis fasciaque communi alba, anteriarum interrupta: habitat in Sierra Leon Africæ." *Ill.* ii. pl. 19. figs. 3, 4 (1773).

Fabricius, Syst. Ent. p. 508. n. 274 (1775); *Sp. Ins.* p. 96. n. 423 (1781); *Ent. Syst.* iii. p. 244. n. 762 (1793).

Fernando Po, West Africa. (Obtained 1851, from Mr. Stevens) B.M.

"I have no doubt of its being a woodland insect."—*Trimen in Rhop. Afr. Austr.* p. 147.

There is one specimen of *P. Melicerta* in the Banksian Collection in the British Museum.

4. Neptis Heliodore.

Papilio (N. P.) Heliodore, *Fabricius*, "alis dentatis fulvis fasciis tribus nigris: habitat in Siam."

Fabricius, Mant. Ins. p. 52. n. 516 (1787); *Ent. Syst.* iii. p. 130. n. 401 (1793).

Moulmein, E. Indies. (Obtained 1843, from Archdeacon Clerk) B.M.

The type (labelled "*P. Hesiodore*") and a second specimen are in the Banksian Collection in the British Museum.

5. Neptis Frobenia.

Papilio (N.) Frobenia, *Fabricius*, "alis repandis fuscis; fascia communi fulva anticarum interrupta: habitat in Ile de France." Pantoporia Frobenia, *Hübner*, *Zuträge*, figs. 773, 774 (1806).

Fabricius, Ent. Syst. suppl. p. 425. n. 400, 401 (1798).

Mauritius. (Obtained 1857, from Dr. Beke) B.M.

6. Neptis Agatha.

Papilio (N. P.) Melicerta (part.), *Fabricius* [P. Agatha, *Cramer*]. *Pap. Exot.* iv. pl. 327. figs. A, B (1782). "Sierra Leone," *Cramer*.

Fabricius, Mant. Ins. p. 52. n. 513 (1787).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

There is a specimen of *P. Agatha* in the Banksian Collection in the British Museum labelled "*P. Venilia*, Linn."

Group 4. **Catagrammæ.**

Genus 17. CATAGRAMMA, *Boisduval*,
Suit. Buff. i. pl. 5 B (1836).

1. Catagramma Heraclitus.

Papilio (H. R.) Heraclitus, *Fabricius*, "alis dentatis atris; anticis macula fulva, posticis cærulea; subtus posticis strigis flavis punctisque cæruleis: habitat in America meridionali."

Fabricius, Ent. Syst. iii. p. 291. n. 112 (1793).

Rio Janeiro. (Obtained 1850, from Mr. Stevens) B.M.

P. Heraclitus is closely allied to *P. Lyrophila* of Hübner: the description "inter strigam 3–4, puncta quatuor cærulea" is not quite correct; for only three of the four spots are blue. In Jones's 'Icones' the species is correctly figured.

2. Catagramma Hystaspes.

Papilio (D. F.) Hystaspes, *Fabricius*, "alis integerrimis fuscis cæruleo micantibus, posticis subtus flavis, lineis annularibus nigris punctisque tribus cæruleis: habitat in Brasilia." *Donovan, Nat. Rep.* ii. pl. 60 (1824).

Fabricius, Sp. Ins. p. 57. n. 254 (1781).

Hydaspes (*sic*), *Fabricius, Mant. Ins.* p. 28. n. 293 (1787); *Ent. Syst.* iii. p. 54. n. 167 (1793).

Amazons; registered "Nauta." (Collected 1858, by M. Degand) B.M.

The type specimen of *P. Hystaspes* is in the Banksian Collection the British Museum.

3. Catagramma Codomannus.

Papilio (D. F.) Codomannus, *Fabricius*, "alis integerrimis atris sanguineo fasciatis, posticis subtus lineis annularibus flavis punctisque cæruleis: habitat in Brasilia." *Donovan, Nat. Rep.* i. pl. 3 (1823).

Fabricius, Sp. Ins. p. 57. n. 253 (1781); *Mant. Ins.* p. 28. n. 292 (1787); *Ent. Syst.* iii. p. 53. n. 165 (1793).

Rio Negro, Amazons. (Obtained 1851, collected by A. R. Wallace, Esq.) B.M.

Abundant, settling on trunks of trees in the forest (see Mr. Bates in Journ. Entom. x. 1864).

The type specimen of *P. Codomannus* is in the Banksian Collection in the British Museum (see Proc. Zool. Soc. p. 579: 1866).

Genus 18. CALLICORE, *Hübner*,

Verz. bek. Schmett. p. 41 (1816).

1. Callicore Janeira.

Papilio (D. F.) Clymenus, *Fabricius* nec *Cramer* [C. Janeira, *Felder*]," alis integris, fascia cyanea, subtus anticis sanguineis; posticis albis annulis punctisque atris: habitat in Brazilia."

Fabricius, Sp. Ins. p. 53. n. 232 (1781); *Mant. Ins.* p. 26. n. 268 (1787); *Ent. Syst.* iii. p. 43. n. 131 (1793).

Rio Janeiro. (Obtained 1852) B.M.

Haunts moist puddles or filth on the skirts of the forest, flying when disturbed to the trees (Mr. Bates in Journ. Entom. x. 1864).

Although Fabricius quotes Cramer's figure, his type in the Banksian Collection in the British Museum does not agree with it (see Proc. Zool. Soc. p. 579: 1866).

Genus 19. HŒMATERA, *Westwood*,

Gen. Diurn. Lepid. p. 231 (1849).

1. Hœmatera Pyramus.

Papilio (P. R.) Pyramus, *Fabricius*, "alis integerrimis fuscis cæruleo micantibus, macula fulva, posticis subtus griseis: habitat Caiennæ." *Donovan, Nat. Rep.* i. pl. 3. figs. 2, 2*a* (1823).

Fabricius, Sp. Ins. p. 130. n. 590 (1781).

Pyramis (*sic*), *Fabricius, Mant. Ins.* p. 83. n. 755 (1787); *Ent. Syst.* iii. p. 323. n. 222 (1793).

Brazil. (Presented by Major-General T. Hardwicke) B.M.

Genus 20. EUBAGIS, *Boisduval*,

Voy. de l'Astrolabe, pl. 3. fig. 3 (1832).

1. Eubagis Mylitta.

♂. Papilio (N.) postverta, *Cramer*, "alis dentatis viridibus,

maculis margineque fuscis; posticis subtus fasciis albis, ocellis duobus: habitat in America." *Pap. Exot.* iii. pl. 254. figs. C, D (1782).

♀. Papilio (N.) Mylitta, *Cramer*, "alis dentatis nigris; fasciis tribus macularibus albis, posticis ocellis duobus: habitat in India." *Pap. Exot.* iii. pl. 253. figs. C, D (1782).

Fabricius, Ent. Syst. iii. pp. 100, 101, n. 311, 312 (1793).

♂ ♀, Pernambuco. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

2. Eubagis Artemisia.

♀. Papilio (N.) Artemisia, *Fabricius*, "alis dentatis nigris; anticis maculis, posticis fasciis albis, posticis subtus ocellis duobus argenteis: habitat in America."

Fabricius, Ent. Syst. iii. p. 101. n. 313 (1793).

Not in the British-Museum collection; we have, however, a male *Eubagis* from Mexico, in which the whitish markings indicated upon the green upper surface correspond to those in Jones's figure of *P. Artemisia*.

3. Eubagis Egæa.

♀. Papilio (N. G.) Egæa, *Fabricius*, "alis dentatis, supra nigris, fascia communi alba; posticis subtus ocellis duobus: habitat in Jamaica."

♂. Papilio (N. G.) Serina, *Fabricius*, "alis subdentatis, supra viridibus; posticis subtus disco albo, ocellis duobus: habitat in Jamaica."

Fabricius, Syst. Ent. pp. 496, 497, n. 231, 232 (1775); *Sp. Ins.* pp. 79, 80, n. 351, 352 (1781); *Mant. Ins.* p. 43. n. 424, 425 (1787); *Ent. Syst.* iii. p. 100. n. 309, 310 (1793).

♀, Jamaica. (Obtained 1845, from Mr. Gosse) B.M.

The male of *P. Egæa* is figured in Jones's unpublished 'Icones.'

4. Eubagis Athemon.

Papilio (P. R.) Athemon, *Linnæus*, "alis integerrimis, subfuscis, disco communi albo; fascia postica dimidiata, fusca: habitat in America." *Clerck, Icon.* pl. 37. fig. 2 (1764).

Fabricius, Syst. Ent. p. 528. n. 362 (1775); *Sp. Ins.* p. 128. n. 582 (1781); *Mant. Ins.* p. 83. n. 747 (1787); *Ent. Syst.* iii. p. 318. n. 204 (1793).

Pernambuco, Brazil. (Presented 1844, by Mrs. J. P. G. Smith) B.M.

5. Eubagis Cænus.

Papilio (H. R.) Cænus, *Fabricius*, "alis integerrimis albis; anticis margine exteriore fusco albo maculato: habitat in Indiis." *Donovan, Ins. Ind.* pl. (1800).

Fabricius, Ent. Syst. iii. p. 308. n. 169 (1793).

Pernambuco, Brazil. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

Genus 21. CALLIZONA, *Westwood*,

Gen. Diurn. Lepid. p. 246 (1850).

1. Callizona Aceste.

Papilio (N. P.) Aceste, *Linnæus*, "alis subdentatis; anticis nigris, basi fasciaque flavis; posticis flavis: subtus fasciis fuscis: habitat in India." *Clerck, Icon.* pl. 43. fig. 3 (1764).

Fabricius, Syst. Ent. p. 511. n. 287 (1775); *Sp. Ins.* p. 100. n. 442 (1781); *Mant. Ins.* p. 54. n. 537 (1787); *Ent. Syst.* iii. p. 245. n. 764 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

Common in the Amazonian forests, settling upon tree-trunks (see Mr. Bates in Journ. Entom. no. x., June 1864, p. 212).

Genus 22. LUCINIA, *Westwood* *,

Gen. Diurn. Lepid. p. 253 (1850).

1. Lucinia Cadma.

Papilio (N. G.) Cadma, *Drury*, "alis dentatis, fulvis; posticis subtus disco albo, ocellis duobus, pupilla didyma cærulea: habitat in America meridionali." *Ill.* ii. pl. 18. figs. 1, 2 (1773).

Fabricius, Syst. Ent. p. 497. n. 234 (1775); *Sp. Ins.* p. 80. n. 356 (1781); *Mant. Ins.* p. 44. n. 431 (1787); *Ent. Syst.* iii. p. 241. n. 751 (1793).

Jamaica. (Obtained 1846, from Mr. Gosse) B.M.

Genus 23. ECTIMA, *Westwood*,

Gen. Diurn. Lepid. p. 227 (1849).

1. Ectima Liria.

Papilio (S.) Liria, *Fabricius*, "alis subdentatis cinereis fusco undatis; anticis fascia alba, posticis punctis quatuor ocellaribus albis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 37. fig. 5 (1800); *Hübner, Zuträge*, figs. 953, 954 (1837).

Fabricius, Ent. Syst. iii. p. 239. n. 747 (1793).

Venezuela. (Obtained 1847, from Mr. Dyson) B.M.

Settles upon trunks of trees in the forest, with the wings flat (see Mr. Bates in Journ. Entom. no. x., 1864).

* This name is also used in Hübner's 'Sammlung.'

Group 5. Timetides.

Genus 24. GYNÆCIA, *Westwood*, *Gen. Diurn. Lepid.* p. 248 (1850).

1. Gynæcia Dirce.

Papilio (N. P.) Dirce, *Linnæus*, "alis angulatis fuscis, fascia anticarum flavescente; subtus nigro undulatis: habitat in Indiis (*Syst. Ent.*), Caiennæ (*Mant. Ins.*)." *Donovan, Ins. Ind.* pl. 34. fig. 2 (1800).

Fabricius, Syst. Ent. p. 506. n. 264 (1775); *Sp. Ins.* p. 93. n. 407 (1781); *Mant. Ins.* p. 50. n. 492 (1787); *Ent. Syst.* iii. p. 123. n. 376 (1793).

Jamaica. (Obtained 1845, from Mr. Gosse) B.M.

Settles on trunks of trees in the forests (see Mr. Bates in Journ. Entom. no. x., 1864).

There is one worn specimen of *P. Dirce* in the Banksian Collection in the British Museum.

Genus 25. TIMETES.

1. Timetes Crethon.

Papilio (E. A.) Crethon, *Fabricius*, "alis caudatis, supra fuscis, subtus glaucis, fascia utrinque alba: habitat Surinami."

Fabricius, Gen. Ins. p. 252. n. 40, 41 (1776).

P. Crithon, *Fabricius, Sp. Ins.* p. 16. n. 61 (1781); *Mant. Ins.* p. 8. n. 69 (1787); *Ent. Syst.* p. 27. n. 79 (1793).

Rio Negro, Amazons. (Obtained 1851; collected by A. R. Wallace, Esq.) B.M.

2. Timetes Orsilochus.

Papilio (E. A.) Orsilochus, *Fabricius*, "alis caudatis fuscis; anticis fasciis duabus, posticis unica albis, subtus basi albis fascia fulva: habitat Surinami." P. Cinna, *Cramer, Pap. Exot.* iii. pl. 200. figs. F, G (1782).

Fabricius, Gen. Ins. p. 252. n. 40, 41 (1776); *Sp. Ins.* p. 16. n. 62 (1781); *Mant. Ins.* p. 8. n. 70 (1787); *Ent. Syst.* p. 27. n. 80 (1793).

Pará. (Obtained 1852; collected by H. W. Bates, Esq.) B.M.

3. Timetes Iole.

Papilio (N.) Furcula, *Fabricius* [Iole, *Drury*], "alis caudatis fuscis basi fulvis, anticis fascia cærulea: habitat in Indiis." *Ill.* iii. pl. 38. fig. 2 (1782).

Fabricius, Ent. Syst. iii. p. 79. n. 245 (1793).

West coast of America. (Presented 1850, by Capt. Kellet, C.B., and Lieut. Wood) B.M.

4. Timetes Themistocles.

Papilio (N.) Themistocles, *Fabricius*, "alis caudatis brunneis fusco fasciatis; posticis punctis duobus atris: habitat . . . . ."
Fabricius, Ent. Syst. iii. p. 66. n. 207 (1793).

Brazil. B.M.

5. Timetes Chiron.

Papilio (E. A.) Chiron, *Fabricius*, "alis caudatis, nigris, fusco fasciatis; subtus antice albis, strigis ferrugineis: habitat in India." P. Marius, *Cramer, Pap. Exot.* iii. pl. 200. figs. D, E (1782).
Fabricius, Syst. Ent. p. 452. n. 40 (1775); *Sp. Ins.* p. 16. n. 60 (1781); *Mant. Ins.* p. 8. n. 68 (1787); *Ent. Syst.* p. 26. n. 78 (1793).

Jamaica. (Obtained 1845, from Mr. Gosse) B.M.

Cramer's figure wants the usual subapical spots on the upper surface of the anterior wings.

Genus 26. EUREMA, *Hübner*,
Verz. bek. Schmett. p. 96 (1816).

1. Eurema Delius.

Papilio (N.) Eurocilia, *Fabricius* [P. Delius, *Drury*], "alis dentato-caudatis fuscis, disco communi fulvo, posticis subtus variegatis: habitat in Indiis." *Ill.* iii. pl. 14. figs. 5, 6 (1782).
Fabricius, Ent. Syst. iii. p. 79. n. 247 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

2. Eurema Paullus.

Papilio (N.) Paullus, *Fabricius*, "alis dentato-bicaudatis fulvis apice nigris, posticis subtus variegatis; macula baseos alba: habitat in Jamaica." Hypanartia Tecmesia, *Hübner, Exot. Schmett.* ii. pl. 27 (1806).
Fabricius, Ent. Syst. iii. p. 63. n. 199 (1793).

Jamaica. (Obtained 1845, from Mr. Gosse) B.M.

Figured in the unpublished drawings of the late Mr. Jones.

3. Eurema Lethe.

Papilio (N.) Lethe, *Fabricius*, "alis dentato-caudatis fulvis; anticis apice nigris, fascia apiceque flavis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 20. fig. 1 (1800). H. Demonica (part.), *Hübner, Samml. exot. Schmett.* ii. pl. 26. figs. 3, 4 (1806).
Fabricius, Ent. Syst. iii. p. 80. n. 250 (1793).

Brazil. (Presented by Major-General Hardwicke) B.M.

4. Eurema Bella.

Papilio (N.) Bella, *Fabricius*, "alis subcaudatis testaceis; anticis

apice atris, fascia flava maculisque albis; posticis margine flavo nigro strigoso: habitat in Indiis." H. Demonica (part.), *Hübner, Samml. exot. Schmett.* ii. pl. 26. figs. 1, 2 (1806).

Fabricius, Ent. Syst. iii. p. 79. n. 245 (1793).

Brazil. B.M.

Genus 27. MARPESIA, *Hübner,*

Verz. bek. Schmett. p. 47 (1816).

1. **Marpesia Thetys.**

Papilio (N. P.) Thetys, *Fabricius*, "alis bicaudatis dentatis fulvis strigis nigris, posticis subtus glaucis nigro punctatis: habitat in America meridionali." P. Peleus, *Sulzer, Ins.* pl. 13. fig. 4.

Fabricius, Gen. Ins. p. 264. n. 250, 251 (1776).

P. Portia (part. descr.), *Fabricius, Sp. Ins.* p. 87. n. 385 (1781); *Mant. Ins.* p. 47. n. 465 (1787); *Ent. Syst.* iii. p. 77. n. 241 (1793).

Brazil. (Presented by Major-General Thomas Hardwicke) B.M.

There is one specimen of *P. Thetys* in the Banksian Collection: the Fabrician description, "Magnitudo *P. Troglodytæ*, anticæ falcatæ; posticæ, ad angulum ani puncta duo nigra annulo albo cincta lunulæque duæ albæ inter caudas," applies better to the Jamaican and Haiti species *P. Eleucha*, Hübner.

Genus 28. VICTORINA, *Blanchard,*

Hist. Nat. Ins. iii. p. 447 (1840).

1. **Victorina Stelenes.**

Papilio (E. A.) Stelenes, *Linnæus*, "alis dentatis, fuscis, fasciis duabus viridibus, altera posticarum integra: habitat in America meridionali." *Clerck, Icon.* pl. 35. fig. 2 (1764).

Var. Papilio (E. A.) Lavinia, *Fabricius*, "alis caudatis, nigris, viridi fasciatis, subtus argentatis, strigis fulvis: habitat in America." Nyctalemon? Lavinia, *Walker, Lep. Het.* i. p. 10. n. 6 (1854).

Fabricius, Syst. Ent. pp. 450, 456, n. 32, 57 (1775); *Sp. Ins.* pp. 13, 23, n. 49, 92 (1781); *Mant. Ins.* pp. 7, 12, n. 55, 108 (1787); *Ent. Syst.* iii. pp. 22, 84, n. 64, 263 (1793).

P. Stelenes, Brazil (from Mr. Children's Collection); *P. Lavinia*, Jamaica (obtained 1845, from Mr. Gosse). B.M.

Group 6. **Vanessides.**

Genus 29. ERGOLIS, *Boisduval,*

Suit. Buff. i. pl. 4 A (1836).

1. **Ergolis Enotrea.**

Papilio (F.) Enothrea (*sic*), *Fabricius* [Enotrea, *Cramer*], "alis

dentatis nigris, disco viridi; subtus atris puncto costali albo: habitat in Sierra Leon." *Pap. Exot.* iii. pl. 236. figs. A, B (1782).

Fabricius, Ent. Syst. iii. p. 59. n. 183 (1793).

West Africa. (Obtained 1851, collected by Mr. Louis Fraser) B.M.

2. Ergolis Ariadne.

Papilio (N. P.) Ariadne, *Linnæus*, "alis angulatis, fulvis, strigis nigris undulatis; anticis puncto marginali albo: habitat in Java."

Fabricius, Syst. Ent. p. 507. n. 267 (1775).

Java. (Presented by the Hon. East-India Company). B.M.

There is one specimen of *P. Ariadne* in the Banksian Collection, and with it an example of *P. Merione*, Cramer (apparently an Indian species). In the 'Genera of Diurnal Lepidoptera' the name *P. Ariadne* is applied to this form, the Javan insect being referred, as a distinct species, to the *P. Cocyta* of Cramer: there can, however, be no doubt, since Linnæus gives Java as the habitat of his species, that Cramer's *P. Cocyta* is the true *P. Ariadne*.

3. Ergolis Merione.

Papilio (N. P.) Ariadne (part.), *Fabricius* [Merione, *Cramer*]. *Pap. Exot.* ii. pl. 144. figs. G, H (1779).

Fabricius, Sp. Ins. p. 94. n. 412 (1781); *Mant. Ins.* p. 50. n. 496 (1787); *Ent. Syst.* iii. p. 125. n. 382 (1793).

Penang. (Presented 1840, by Sir William Norris) B.M.

Mr. Swinhoe remarks that *P. Cocyta* (*P. Merione*?) frequents hedgerows and places overgrown with herbage; it has a slow floating flight (see P. Z. S. 1866).

Genus 30. EURYTELA, *Boisduval*, *Faun. Madag.* p. 54 (1833).

1. Eurytela Ethesia.

Papilio (S.) Ethesia, *Drury*, "alis dentatis atris, disco flavo, subtus fusco flavoque variis basi atro punctatis: habitat in Africa." *Ill.* iii. pl. 37. figs. 3, 4 (1782).

Fabricius, Ent. Syst. iii. p. 249. n. 774 (1793).

Ashanti. (Obtained 1844) B.M.

2. Eurytela Ophione.

Papilio (N. P.) Ophione, *Cramer*, "alis dentatis fuscis albo maculatis, subtus maculis atris ocellaribus numerosis: habitat in Guinea." *Pap. Exot.* ii. pl. 114. figs. E, F (1779).

Fabricius, Sp. Ins. p. 97. n. 425 (1781); *Mant. Ins.* p. 53. n. 518 (1787); *Ent. Syst.* iii. p. 131. n. 402 (1793).

Ashanti. (Obtained 1844) B.M.

3. Eurytela Hiarbas.

Papilio (N.) Hiarba, *Fabricius* [P. Hiarbas, *Drury*], "alis dentatis, nigris; fascia communi alba anticarum abbreviata: habitat in Indiis." *Ill.* iii. pl. 14. figs. 1, 2 (1782); *Donovan, Ins. Ind.* pl. 32. fig. 3 (1800).

Fabricius, Ent. Syst. iii. p. 128. n. 391 (1793).

Ashanti. (Obtained 1844) B.M.

4. Eurytela Dryope.

Papilio (N. P.) Dryope, *Cramer*, "alis dentatis fuscis, rufo maculatis, apice fulvis, subtus maculis rufis albo cinctis: habitat in Sierra Leon Africæ." *Pap. Exot.* i. pl. 78. figs. E, F (1779).

Fabricius, Sp. Ins. p. 107. n. 469 (1781); *Mant. Ins.* p. 61. n. 582 (1787); *Ent. Syst.* iii. p. 256. n. 793 (1793).

Ashanti. (Obtained 1844) B.M.

Genus 31. ANARTIA, *Hübner*,

Verz. bek. Schmett. p. 220 (1816).

1. Anartia Iatrophæ.

Papilio (N. G.) Iatrophæ, *Linnæus*, "alis angulatis, pallidis, strigis undatis fuscis; anticis ocello unico, posticis duobus: habitat in America meridionali, in Nova Hollandia."

Fabricius, Syst. Ent. p. 493. n. 218 (1775); *Sp. Ins.* p. 75. n. 332 (1781); *Mant. Ins.* p. 37. n. 389 (1787); *Ent. Syst.* iii. p. 98. n. 301 (1793).

Brazil; Jamaica. (Obtained 1845, from Mr. Gosse) B.M.

See Bates in Journ. Entom. no. x., p. 193 (1864).

The type of the Fabrician description is in the Banksian Collection in the British Museum.

2. Anartia Fatima.

Papilio (N.) Fatima, *Fabricius*, "alis subcaudatis atris; fascia communi flava, posticarum abbreviata maculisque rubris: habitat in Indiis." *Donovan, Ins. Ind.* pl. 31. fig. 2 (1800).

Fabricius, Ent. Syst. iii. p. 81. n. 252 (1793).

Honduras. (Obtained 1845, from Mr. Dyson) B.M.

3. Anartia Amalthea.

Papilio (N. P.) Amalthea, *Linnæus*, "alis angulato-dentatis, supra fuscis, albo punctatis; fascia rubra, linea undata nigra: habitat in Indiis." ♀, *Clerck, Icon.* pl. 40. fig. 3 (1764).

Fabricius, Syst. Ent. p. 507. n. 271 (1775); *Sp. Ins.* p. 95.

n. 416 (1781); *Mant. Ins.* p. 51. n. 503 (1787); *Ent. Syst.* iii. p. 128. n. 392 (1793).

Venezuela. (Obtained 1847, from Mr. Dyson) B.M.

A common species, haunting moist places, according to Mr. Bates (Journ. Entom. no. x., 1864).

There is one specimen of *P. Amalthea* in the Banksian Collection in the British Museum.

Genus 32. JUNONIA*, *Hübner*, *Verz. bek. Schmett.* p. 34 (1816).

1. Junonia Asterie.

Papilio (N. G.) Asterie, *Linnæus*, "alis dentatis, luteo variis; posticis ocello majore, pupilla gemina; subtus pallidis ocellis subtribus: habitat in India orientali." *Cramer, Pap. Exot.* i. pl. 58. figs. D, E (1779).

Fabricius, Syst. Ent. p. 490. n. 205 (1775); *Sp. Ins.* p. 69. n. 312 (1781); *Mant. Ins.* p. 34. n. 363 (1787); *Ent. Syst.* iii. p. 89. n. 279 (1793).

Ceylon. (Presented 1852, by R. Templeton, Esq.; collected by Mrs. Templeton) B.M.

Most abundant in rank and marshy places (Swinhoe, Proc. Zool. Soc. 1866).

There are two specimens of *P. Asterie* in the Banksian Collection.

2. Junonia Almana.

Papilio (N. G.) Almana, *Linnæus*, "alis angulatis, fulvis, nigro maculatis; posticis ocello majore, pupilla gemina; omnibus subtus brunneis: habitat in Asia." *Cramer Pap. Exot.* i. pl. 58. fig. F, G (1779); *Donovan, Ins. China*, pl. 36. fig. 2 (1798).

Fabricius, Syst. Ent. p. 490. n. 204 (1775); *Sp. Ins.* p. 69. n. 311 (1781); *Mant. Ins.* p. 34. n. 362 (1787); *Ent. Syst.* p. 89. n. 278 (1793).

Madjico-Sima. (Presented 1847, by Capt. Sir E. Belcher; collected by Arthur Adams, Esq., during the voyage of H.M.S. 'Samarang') B.M.

The larva of this species feeds on *Gloxinia* and *Osbeckia* (see A. Grote, Esq., in Proc. Zool. Soc. 1865).

There are two specimens of *P. Almana* in the Banksian Collection.

3 Junonia Œnone.

♂. Papilio (N. G.) Œnone, *Linnæus*, "alis denticulatis, luteis, margine nigris: posticis basi cyaneis: habitat in Asia." *Cramer*,

* Hind wings angulated, *Vanessa*-like.

Pap. Exot. i. pl. 35. figs. A–C (1775). ♀, *Donovan, Ins. China*, pl. 36. fig. 1 (1798).

Var. ♀. Papilio (N.) Hierta, *Fabricius*, "alis denticulatis luteis margine nigris, omnibus ocellis duobus, posticis basi fuscis: habitat in India orientali."

Fabricius, Syst. Ent. p. 490. n. 206 (1775); *Sp. Ins.* p. 70. n. 313 (1781); *Mant. Ins.* p. 34. n. 364 (1787); *Ent. Syst.* p. 90. n. 280 (1795); *Ent. Syst.* suppl. p. 424. n. 281, 282 (1798).

China. (Presented 1842, by Mrs. Mason) B.M.

The African race of this species appears to affect waste ground, hill-sides, stubble-fields, &c. (see Trimen in Rhop. Afr. Austr.).

4. Junonia Clelia.

Papilio (N.) Clelia, *Cramer*, "alis dentatis nigris; anticis fascia interrupta maculaque apicis albis, posticis macula disci cyanea: habitat in Guinea." *Pap. Exot.* i. pl. 21. figs. E, F.

Fabricius, Ent. Syst. iii. p. 91. n. 285 (1793).

Ashanti. (Obtained from the Wesleyan Missionary Society) B.M.

P. Clelia stands, in the Banksian Collection, labelled "*P. Œnone*, Linn."

5. Junonia Orithya.

Papilio (N. G.) Orithya, *Linnæus*, "alis dentatis, fuscis, flavo punctatis, omnibus ocello unico: habitat in China, in Nova Hollandia." *Cramer, Pap. Exot.* i. pl. 19. figs. C, D (1775). P. Orythia, *Donovan, Ins. China*, pl. 37. fig. 1.

Fabricius, Syst. Ent. p. 490. n. 308 (1775); *Sp. Ins.* p. 70. n. 314 (1781); *Mant. Ins.* p. 35. n. 367 (1787); *Ent. Syst.* iii. p. 91. n. 284 (1793).

Hong-Kong, China. (Collected and presented 1861, by J. C. Bowring, Esq.) B.M.

Partial to bare, dry grass-land; larva reared on *Antirrhinum orontium* (see Capt. Lang in Proc. Zool. Soc. 1865); according to Mr. Swinhoe it is common where stones abound and the grass is short (P. Z. S. 1866).

There are two specimens of *P. Orithya*, besides the East-Indian form, *J. Ocyale* of Hübner, in the Banksian Collection in the British Museum.

6. Junonia Lavinia.

Papilio (N.) Larinia (*sic*), *Fabricius* [P. Lavinia, *Cramer*], "alis angulato-dentatis variegatis; omnibus supra ocellis duobus, anticis subtus unico, posticis griseis cæcis: habitat in India." *Pap. Exot.* i. pl. 21. figs. C, D (1775).

♀. Papilio (N.) Flirtea, *Fabricius*, "alis subangulatis fuscis fulvo

maculatis, ocellis duobus; posticis subtus ferrugineis, ocellis subtribus: habitat in India."

Fabricius, Ent. Syst. iii. p. 90. n. 281 (1793); *Ent. Syst.* suppl. p. 424. n. 284, 285 (1798).

Pará. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

See Bates in Journ. Entom. no. x., p. 194 (1864). Common in grassy lanes and old gardens.

7. Junonia Genoveva.

Papilio (N.) Eora, *Fabricius* [P. Genoveva, var., *Cramer*], "alis dentatis fuscis rufo flavoque variis, omnibus supra ocello sesquialtero, anticis subtus unico, posticis obscuris cæcis: habitat Caiennæ."

Fabricius, Ent. Syst. suppl. p. 425. n. 284, 285 (1798).

Jamaica. (Obtained 1845, from Mr. Gosse) B.M.

8. Junonia Villida.

Papilio (N. G.) Villida, *Fabricius*, "alis dentatis fuscis: fascia postica fulva; ocellis duobus: habitat in Insula Amsterdam." *Donovan, Ins. New Holland*, pl. 25. fig. 3 (1805).

Fabricius, Mant. Ins. p. 35. n. 366 (1787).

P. Velleda (*sic*), *Fabricius, Ent. Syst.* iii. p. 91. n. 283 (1793).

Champion Bay, Australia. (Obtained 1868, from M. Du Boulay) B.M.

The type specimen of *P. Villida* is in the Banksian Collection in the British Museum.

9. Junonia Lemonias.

Papilio (N. G.) Lemonias, *Linnæus*, "alis dentatis fuscis, flavo punctatis, omnibus ocello unico: habitat in India orientali." *Cramer, Pap. Exot.* i. pl. 35. figs. D–F (1775).

Fabricius, Syst. Ent. p. 490. n. 207 (1775); *Sp. Ins.* p. 70. n. 314 (1781); *Mant. Ins.* p. 34. n. 365 (1787); *Ent. Syst.* p. 90. n. 282 (1793).

Ceylon. (Presented 1852, by R. Templeton, Esq.; collected by Mrs. Templeton) B.M.

Common in grassy places and hedgerows (Swinhoe, P. Z. S. 1866).

There are three specimens of *P. Lemonias* in the Banksian Collection.

Section Precis*, *Hübner*,

Verz. bek. Schmett. p. 33 (1816).

10. Junonia Octavia.

Papilio (.N P.) Octavia, *Cramer*, "alis dentatis fuscis, disco an-

* Hind wings generally rounded, *Pyrameis*-like. One of the characters given by Mr. Doubleday to distinguish this group from *Junonia* proper is, "cell of both

gulato fulvo nigro punctato, subtus maculis baseos flavis: habitat in Sierra Leon Africæ." *Pap. Exot.* ii. pl. 135. figs. B, C (1779).

Fabricius, Sp. Ins. p. 91. n. 402 (1781); *Mant. Ins.* p. 49. n. 485 (1787); *Ent. Syst.* p. 120. n. 369 (1793).

Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

This species, according to Mr. Trimen, seems to be uncommon in the Natal country (Rhop. Afr. Austr. p. 131).

11. Junonia Amestris.

Papilio (N. P.) Zingha, *Fabricius* [Amestris, *Drury*], "alis angulato-dentatis fuscis apice nigris, strigis cæruleis macularique fulva: habitat in Sierra Leon." *Ill.* iii. pl. 20. figs. 3, 4 (1782).

Papilio (N.) Amestris, *Fabricius*, "alis angulato-dentatis nigris; lunulis rufis cyaneisque, subtus obscuris: habitat in Indiis."

Fabricius, Mant. Ins. p. 48. n. 477 (1787); *Ent. Syst.* p. 117. n. 358, 360 (1793).

Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

"March to May. Said to be the commonest butterfly in the Transkeian country" (D'Urban in Mr. Trimen's Rhop. Afr. Austr. p. 133).

The specimen from which *P. Zingha* was described appears to have had no red discoidal spots in the anterior wings; this is also the case in one of our specimens.

12. Junonia Archesia.

Papilio (N. P.) Archesia, *Cramer*, "alis dentatis fuscis, fascia communi fulva, anticarum dimidiato cærulea: habitat in Java insula." *Pap. Exot.* iii. pl. 219. figs. D, E (1782).

Fabricius, Sp. Ins. app. p. 504 (1782?); *Mant. Ins.* p. 49. n. 480 (1787); *Ent. Syst.* p. 119. n. 363 (1793).

Cape of Good Hope. (Obtained 1842, from Herr Drege) B.M.

"Fond of rocky situations" (D'Urban in Rhop. Afr. Austr. p. 134).

13. Junonia Terea.

Papilio (N. G.) Terea, *Drury*, "alis angulato-dentatis supra fuscis, fascia fulva anticisque striga punctorum alborum, posticis ocellorum: habitat in Sierra Leon Africæ." *Ill.* ii. pl. 18. figs. 3, 4 (1773).

Fabricius, Sp. Ins. p. 72. n. 322 (1781); *Mant. Ins.* p. 36. n. 376 (1787); *Ent. Syst.* iii. p. 92. n. 288 (1793).

Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

There is a specimen of this species labelled "*P. Terea*, Fabr." in the Linnæan Collection.

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pairs of wings open;" this character, however, applies also to the typical group (see *J. Asterie, J. Laomedia*, &c., placed by Mr. Doubleday in *Junonia* true).

14. **Junonia Pelarga.**

Papilio (N. P.) Pelarga, *Fabricius*, "alis dentatis, nigris, fascia communi flava nigro punctata: habitat in Brasilia."

Papilio (N. G.) Leodice, *Cramer*, "alis angulatis supra nigris, fascia utrinque virescente, striga punctorum ocellatorum: habitat in Guinea." *Pap. Exot.* ii. pl. 138. figs. G, H (1779).

Papilio (N. P.) Harpyia, *Fabricius*, "alis falcato-dentatis fuscis, fascia communi cærulescente nigro punctata, subtus brunneis striga fusca: habitat in Africa æquinoctiali."

Fabricius, Syst. Ent. p. 513. n. 296 (1775); *Sp. Ins.* pp. 73, 104, n. 323, 456, 457 (1781).

P. Laodice (*sic*), *Fabricius, Mant. Ins.* pp. 36, 57, n. 377, 558, 559 (1787); *Ent. Syst.* iii. pp. 93, 140, n. 289, 432 (1793).

This species, according to D'Urban, haunts forests and mountains from March to the end of July (see Trimen's Rhop. Afr. Austr.).

The types of *P. Pelarga* and *P. Harpyia* are in the Banksian Collection.

15. **Junonia Sophia.**

Papilio (S.) Sophia, *Fabricius*, "alis dentatis flavo fulvo nigroque variis, margine fusco nigro punctato lunulisque posticarum albis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 35. fig. 3 (1800).

Fabricius, Ent. Syst. iii. p. 248. n. 771 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

In the National Collection there is a black form of *P. Sophia* from Fernando Po (collected 1852, by Mr. Fraser), the upper surface of which looks exactly like a very minute specimen of *Panopea Lucretia* of Cramer; the under surface is quite normal in colouring.

16. **Junonia Zelima.** Pl. I. fig. 6.

Papilio (N. G.) Zelima, *Fabricius*, "alis angulatis, flavis, fusco subfasciatis; posticis utrinque ocellis sex; subtus striga alba: habitat in Nova Hollandia." *Donovan, Ins. New Holland*, pl. 23. fig. 2 (1805).

Fabricius, Syst. Ent. p. 492. n. 212 (1775); *Sp. Ins.* p. 72. n. 321 (1781); *Mant. Ins.* p. 36. n. 375 (1787); *Ent. Syst.* iii. p. 92. n. 287 (1793).

Not in the National Collection; the type is in the Banksian Collection, and, though nearly allied to *P. Hedonia*, seems quite distinct: in the 'Genera of Diurnal Lepidoptera' it is queried as *P. Iphita* ♀; but this is an error.

17. **Junonia Iphita.**

Papilio (N. G.) Iphita, *Cramer*, "alis angulato-dentatis fuscis, obscurius fasciatis, omnibus subtus ocellis quinque: habitat in China." *Pap. Exot.* iii. pl. 209. figs. C, D (1781 ?).

Fabricius, Sp. Ins. p. 86. n. 379 (1781); *Mant. Ins.* p. 46. n. 457 (1787); *Ent. Syst.* iii. p. 109. n. 337 (1793).

Silhet. (Obtained 1845, from Mr. Sowerby) B.M.

18. Junonia Hedonia.

Papilio (N. G.) Hedonia, *Linnæus*, "alis dentatis, concoloribus, griseis, singulis ocellis sex ferrugineis: habitat in Asia." *Cramer, Pap. Exot.* i. pl. 69. figs. C, D (1779).

Fabricius, Syst. Ent. p. 494. n. 221 (1775); *Sp. Ins.* p. 75 n. 335 (1781); *Mant. Ins.* p. 37. n. 392 (1787); *Ent. Syst.* iii. p. 98. n. 304 (1793).

Amboina. (Collected 1858, by A. R. Wallace, Esq.) B.M.

19. Junonia Laomedia.

Papilio (N. G.) Laomedia, *Linnæus*, "alis dentatis, cinerascentibus; supra anticis ocellis sex, posticis quinque, quibusdam cæcis: habitat in India orientali." *Cramer, Pap. Exot.* i. pl. 8. figs. F, G (1775).

Fabricius, Syst. Ent. p. 494. n. 219 (1775); *Sp. Ins.* p. 75. n. 333 (1781).

Paomedia (*sic*), *Fabricius, Mant. Ins.* p. 37. n. 390 (1787); *Ent. Syst.* p. 98. n. 302 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

There are two worn specimens of *P. Laomedia* in the Banksian Collection in the British Museum.

Genus 33. PYRAMEIS, *Hübner*,
Verz. bek. Schmett. p. 33 (1816).

1. Pyrameis Huntera.

Papilio (N. G.) Huntera, *Fabricius*, "alis subangulatis, fulvis, albo nigroque variis, posticis albo reticulatis ocellisque duobus: habitat in America." *Drury, Ill.* i. pl. 5. fig. 1 (1770).

Fabricius, Syst. Ent. p. 499. n. 240 (1775); *Sp. Ins.* p. 83. n. 365 (1781); *Mant. Ins.* p. 45. n. 441 (1787); *Ent. Syst.* iii. p. 104. n. 321 (1793).

Nova Scotia. (Obtained from Mr. Redman) B.M.

There are two specimens of *P. Huntera* in the Banksian Collection.

2. Pyrameis Cardui.

Papilio (N. G.) Cardui, *Linnæus*, "alis dentatis, fulvis, albo nigroque variegatis: posticis subtus ocellis quatuor: habitat in Europa, Africa."

Fabricius, Syst. Ent. p. 499. n. 239 (1775); *Sp. Ins.* p. 82. n. 364 (1781); *Mant. Ins.* p. 45. n. 440 (1787); *Ent. Syst.* p. 104. n. 320 (1793).

Europe; Cape of Good Hope. (Presented 1842, by R. W. Townsend, Esq.) B.M.

Frequents fields, gardens, hill-sides, and waste places (Trimen in Rhop. Afr. Austr. p. 121).

There are two good specimens of *P. Cardui* in the Banksian Collection. This species appears to be common everywhere all over the world.

3. Pyrameis Atalanta.

Papilio (N. P.) Atalanta, *Linnæus*, "alis dentatis, nigris, albo maculatis .... omnibus fascia arcuata coccinea: habitat in Europa, Asia, America."

Fabricius, Syst. Ent. p. 504. n. 258 (1775); *Sp. Ins.* p. 90. n. 397 (1781); *Mant. Ins.* p. 49. n. 479 (1787); *Ent. Syst.* iii. p. 118. n. 362 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

There are two specimens of *P. Atalanta* in the Banksian Collection.

4. Pyrameis Gonerilla.

Papilio (N. G.) Gonerilla, *Fabricius*, "alis dentatis, nigris, albo maculatis, fascia communi rufa, posticis ocellis quatuor: habitat in nova Zelandia." *Donovan, Ins. New Holland*, pl. 25. fig. 2 (1805).

Fabricius, Syst. Ent. p. 498. n. 237 (1775); *Sp. Ins.* p. 82. n. 361 (1781).

P. Generilla (*sic*), *Fabricius, Mant. Ins.* p. 44. n. 437 (1787); *Ent. Syst.* iii. p. 103. n. 317 (1793).

Rangitauharuru, New Zealand. (Presented 1853, by the Rev. W. Colenso) B.M.

The type specimen of *P. Gonerilla* is in the Banksian Collection.

5. Pyrameis Itea.

Papilio (N. G.) Itea, *Fabricius*, "alis dentatis, nigris; anticis fascia punctisque flavis, posticis disco rufo, ocellis quatuor: habitat in nova Zelandia." *Donovan, Ins. New Holland*, pl. 26. fig. 1 (1805).

Fabricius, Syst. Ent. p. 498. n. 238 (1775); *Sp. Ins.* p. 82. n. 362 (1781); *Mant. Ins.* p. 45. n. 438 (1787); *Ent. Syst.* p. 103. n. 318 (1793).

New Holland. (Presented 1821, by Lieut. Mountnorris) B.M.

The type specimen of *P. Itea* is in the Banksian Collection.

Genus 34. VANESSA, *Fabricius*,

Illiger's Magaz. vi. p. 281 (1808).

1. Vanessa Io.

Papilio (N. G.) Io, *Linnæus*, "alis angulato-dentatis (fulvis), nigro maculatis, singulis ocello cæruleo: habitat in *Urtica, humulo*."

Fabricius, Syst. Ent. p. 489. n. 203 (1775); *Sp. Ins.* p. 68. n. 309 (1781); *Mant. Ins.* p. 34. n. 360 (1787); *Ent. Syst.* iii. p. 88. n. 276 (1793).

Europe. (Probably from Herr Becker) B.M.

There are two specimens of *Io* in the Banksian Collection; the word "fulvis" in the description would apply better to *Junonia Almana* or *Asterie*.

2. Vanessa Antiopa.

Papilio (N. P.) Antiopa, *Linnæus*, "alis angulatis, nigris, limbo albido: habitat in Europa, America."

Fabricius, Syst. Ent. p. 503. n. 256 (1775); *Sp. Ins.* p. 89. n. 394 (1781); *Mant. Ins.* p. 48. n. 476 (1787); *Ent. Syst.* iii. p. 115. n. 355 (1793).

Germany (obtained from Herr J. J. Becker); North America (presented by Major General T. Hardwicke). B.M.

There are two specimens of *P. Antiopa* in the Banksian Collection.

3. Vanessa Charonia.

Papilio (N. P.) Charonia, *Linnæus*, "alis dentatis, nigris, fascia cærulescente: habitat in India." *Drury, Ill.* i. pl. 15. figs. 1, 2 (1770).

Fabricius, Syst. Ent. p. 504. n. 259 (1775); *Sp. Ins.* p. 90. n. 398 (1781); *Mant. Ins.* p. 49. n. 481 (1787); *Ent. Syst.* iii. p. 119. n. 364 (1793).

China. (Presented by J. Reeve, Esq.) B.M.

According to Capt. Lang, this is a forest insect of swift flight (P. Z. S. 1865, and Ent. Month. Mag. i. p. 132).

4. Vanessa Polychloros.

Papilio (N. P.) Polychloros, *Linnæus*, "alis angulatis, fulvis, nigro maculatis, anticis supra punctis quatuor* nigris: habitat in Pomonæ arboribus."

Fabricius, Syst. Ent. p. 505. n. 262 (1775); *Sp. Ins.* p. 92. n. 404 (1781); *Mant. Ins.* p. 49. n. 488 (1787); *Ent. Syst.* p. 121. n. 372 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

There are two specimens of *P. Polychloros* in the Banksian Collection.

5. Vanessa V-album.

Papilio (N. P.) V-album, *Denis*, "alis angulatis fulvis nigro maculatis, omnibus supra macula alba, posticis subtus lunula alba:

* Vel potius maculis 7–8.

habitat in *Salice helix*." P. C-album, *Esper, Eur. Schmett.* i. pt. 2. pl. 62. fig. 3 (1777).

Fabricius, Mant. Ins. p. 50. n. 489 (1787); *Ent. Syst.* iii. p. 122. n. 373 (1793).

Europe. (Obtained 1845, from Herr J. J. Becker) B.M.

6. Vanessa interrogationis.

Papilio (N.) interrogationis, *Fabricius*, "alis caudatis fulvis nigro maculatis, subtus glaucis, striga punctorum nigrorum, posticis *c* aureo notatis: habitat in America boreali."

Fabricius, Ent. Syst. suppl. p. 424. n. 243, 244 (1798).

Georgia. (Probably from Mr. Abbot) B.M.

7. Vanessa C-aureum.

Papilio (N. P.) C-aureum, *Linnæus*, "alis dentato-caudatis, fulvis, nigro maculatis, posticis subtus *c* aureo notatis: habitat in Asia."

Fabricius, Syst. Ent. p. 506. n. 266 (1775); *Sp. Ins.* p. 94. n. 410 (1781); *Mant. Ins.* p. 50. n. 495 (1787); *Ent. Syst.* p. 78. n. 243 (1793).

Japan. (Obtained 1861, from Mr. Bligh, by whom it was captured) B.M.

There is one shattered specimen of *P. C-aureum* in the Banksian Collection in the British Museum.

8. Vanessa Egea.

Papilio (N.) triangulum, *Fabricius* [P. Egea, *Cramer*], "alis angulatis fulvis, disco nigro punctato; posticis subtus cinereis nigro undatis, angulo medio albo: habitat in Italia." *Pap. Exot.* i. pl. 78. figs. C, D (1779).

Fabricius, Ent. Syst. iii. p. 125. n. 381 (1793).

Italy. (Presented by W. E. Leach, Esq.) B.M.

9. Vanessa Progne.

Papilio (N. P.) Progne, *Cramer*, "alis caudato-dentatis fulvis punctis margineque albo punctato nigris, subtus griseis: habitat in America meridionali." *Pap. Exot.* i. pl. 5. figs. E, F (1775).

Fabricius, Gen. Ins. p. 264. n. 264, 265 (1776); *Sp. Ins.* p. 93. n. 408 (1781).

P. Grogne (*sic*), *Fabricius, Mant. Ins.* p. 50. n. 493 (1787); *Ent. Syst.* iii. p. 124. n. 378 (1793).

Nova Scotia. (Obtained from Mr. Redman) B.M.

10. Vanessa C-album.

Papilio (N. P.) C-album, *Linnæus*, "alis angulatis, fulvis, nigro

maculatis, posticis subtus C albo notatis: habitat in *Urtica, Humulo, Rubo.*"

Fabricius, Syst. Ent. p. 506. n. 265 (1775); *Sp. Ins.* p. 93. n. 409 (1781); *Mant. Ins.* p. 50. n. 494 (1787); *Ent. Syst.* iii. p. 125. n. 379 (1793).

Aberr. Papilio (N. P.) F-album, *Esper*, "alis angulato-dentatis fulvis fusco maculatis; posticis subtus linea nivea: habitat in Russia australiore." *Eur. Schmett.* i. pt. 2. pl. 87. fig. 1 (1777).

Fabricius, Mant. Ins. p. 57. n. 557 (1787); *Ent. Syst.* iii. p. 140. n. 431 (1793).

P. C-album, Germany. (Obtained from Herr J. J. Becker) B.M.

There are two specimens of *P. C-album* in the Banksian Collection.

11. **Vanessa Urticæ.**

Papilio (N. P.) Urticæ, *Linnæus*, "alis angulatis fulvis, nigro maculatis; anticis supra punctis nigris tribus*: habitat in *Urtica dioica.*"

Fabricius, Syst. Ent. p. 506. n. 263 (1775); *Sp. Ins.* p. 92. n. 405 (1781); *Mant. Ins.* p. 50. n. 490 (1787); *Ent. Syst.* iii. p. 122. n. 374 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

Genus 35. SALAMIS, *Boisduval*,

Faun. Madag. p. 46 (1833).

1. **Salamis Anacardii.**

Papilio (P.) Anacardii (part.), *Linnæus*, "alis integerrimis angulatis virescenti-albidis apice fuscis; posticis ocellis duobus: habitat in America." *Clerck, Icon.* pl. 28. fig. 3 (1764).

Fabricius (part.), *Syst. Ent.* p. 467. n. 105 (1775); *Sp. Ins.* p. 37. n. 155 (1776); *Mant. Ins.* p. 17. n. 177 (1787); *Ent. Syst.* iii. p. 183. n. 567 (1793).

Ashanti. (Obtained from the Wesleyan Missionary Society) B.M.

Linnæus carelessly referred to Madame Merian for a figure of this species, and appended the locality "in America;" Fabricius being misled by this error, and discovering that the original description did not agree with the figure in the 'Insects of Surinam,' altered it to "alis rotundatis integerrimis, hyalino virescentibus," adding, by way of comment, "Affinis videtur *P. Pieræ*, cujus forte mera varietas," but still quoting Clerck's figure.

2. **Salamis Polynice.**

Papilio (N. G.) Polynice, *Cramer*, "alis angulato-dentatis fulvis

* Should be "maculis sex nigris."

apice nigris, subtus fuscis, strigis cæruleis ocellisque anticarum sex, posticarum quinque: habitat in Sumatra insula." *Pap. Exot.* iii. pl. 195. figs. D, E (1781?).

Fabricius, Sp. Ins. p. 69. n. 310 (1781); *Mant. Ins.* p. 34. n. 361 (1787); *Ent. Syst.* iii. p. 89. n. 277 (1793).

There is a local form of this species in the British Museum collection from Java: this species is referred by Mr. Doubleday to his section *Precis* of the genus *Junonia*.

3. Salamis Sabina.

Papilio (E. A.) Sabinus, *Fabricius* [Sabina, *Cramer*], "alis caudatis fuscis, fascia fulva, subtus griseis, fascia alba punctisque ocellaribus: habitat in Amboina." *Pap. Exot.* iii. pl. 289. figs. A, B (1782).

Fabricius, Sp. Ins. app. p. 502 (1782); *Mant. Ins.* p. 10. n. 82 (1787); *Ent. Syst.* iii. p. 68. n. 211 (1793).

North Ceram. (Obtained 1862; collected by A. R. Wallace, Esq.) B.M.

4. Salamis Cacta.

♂. Papilio (N.) Cacta, *Fabricius*, "alis angulato-dentatis; anticis nigris basi purpureis, macula fulva: habitat in India." *Donovan, Ins. Ind.* pl. 29. fig. 1 (1800).

Fabricius, Ent. Syst. iii. p. 116. n. 356 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

Genus 36. CYRESTIS*, *Boisduval*,

Voy. de l'Astrolabe, p. 117 (1832).

1. Cyrestis Cocles.

Papilio (E. A.) Cocles, *Fabricius*, "alis subbicaudatis albo flavescentique strigosis; fascia media alba, posticis subtus striga punctorum ocellatorum: habitat in Siam." *Donovan, Ins. Ind.* pl. 20. fig. 2 (1800).

Fabricius, Mant. Ins. p. 7. n. 53 (1787); *Ent. Syst.* iii. p. 65. n. 204 (1793).

Silhet. (Obtained 1852, from Mr. Stevens) B.M.

The type specimen of *P. Cocles* is in the Banksian Collection.

2. Cyrestis Periander.

Papilio (E. A.) Periander, *Fabricius*, "alis caudatis concoloribus albis flavo fasciatis apice fuscis albo strigosis: habitat in India orientali." *Donovan, Ins. Ind.* pl. 37. fig. 1 (1800).

Fabricius, Mant. Ins. p. 9. n. 74 (1787); *Ent. Syst.* iii. p. 67. n. 208 (1793).

* Although this genus at first sight seems allied to the *Timetes* group, it appears structurally to come nearer to *Salamis*; Donovan's figure of *P. Cocles* is not at all characteristic, and is certainly not copied from the type.

Assam. (Obtained 1848, from Mr. Warwick) B.M.

The type specimen of *P. Periander* is in the Banksian Collection.

3. Cyrestis Camillus.

Papilio (E. A.) Camillus, *Fabricius*, "alis bicaudatis albis, fasciis fulvis nigro marginatis, posticis macula caudali atra: habitat in Africa æquinoctiali." P. Pantheus, *Drury, Ill.* iii. pl. 6. fig. 4 (1782).

Fabricius, Sp. Ins. p. 11. n. 42 (1781); *Mant. Ins.* p. 6. n. 46 (1787); *Ent. Syst.* iii. p. 62. n. 193 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The type specimen of *P. Camillus* is in the Banksian Collection in the British Museum.

Group 7. Epicaliæ.

Genus 37. MYSCELIA, *Westwood*, *Gen. Diurn. Lepid.* p. 220 (1849).

1. Myscelia Ariadne.

Papilio (N. P.) Merione, *Fabricius* [P. Ariadne, *Cramer*], "alis angulatis fulvis, margine fusco, posticis subtus fuscis maculis strigisque albis cæruleisque: habitat Surinami." *Pap. Exot.* ii. pl. 180. figs. E, F (1779).

♀. Papilio (N. P.) Agatha, *Fabricius*, "alis dentatis supra fulvis subtus glaucis; posticis puncto nigro supra unico, subtus tribus . . . lunulis tribus baseos albis: habitat in India."

Papilio (N.) Liberia, *Fabricius*, "alis dentatis fulvis; anticis area apicis, posticis supra puncto atro, subtus tribus ocellaribus: habitat in Indiis." *Donovan, Ins. Ind.* pl. 30. fig. 4 (1800).

Fabricius, Sp. Ins. p. 94. n. 411 (1781); *Mant. Ins.* pp. 50, 54, n. 497, 530 (1787); *Ent. Syst.* pp. 126, 134, 135, n. 383, 414, 418 (1793).

Venezuela. (Obtained 1847, from Mr. Dyson) B.M.

There is a specimen of *P. Ariadne* in the Linnæan Collection labelled "*P. Liberia*, Fabr.," on the authority of Mr. Jones.

2. Myscelia Laothoë.

Papilio (N. G.) Laothoë, *Cramer*, "alis angulato-dentatis, posticis supra fuscis puncto albo, subtus ocellis sex cæruleis: habitat Surinami." *Pap. Exot.* ii. pl. 132. figs. A, B (1779).

Fabricius, Sp. Ins. p. 81. n. 357 (1781); *Mant. Ins.* p. 44. n. 432 (1787); (part.) *Ent. Syst.* iii. p. 102. n. 316 (1793).

Pernambuco. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

In the 'Genera of Diurnal Lepidoptera' Mr. Doubleday queries this as a variety of *P. Ariadne*; it may perhaps be so: the male was figured by Hübner under the name of *P. Merione* (Exot. Schmett. ii. pl. 31. figs. 1, 2, nec 3, 4: 1806). In his 'Entomologia Systematica,

Fabricius quotes Drury's *P. Pelarga* (a *Junonia*) as a synonym of *P. Laothoë*.

3. Myscelia Orsis.

Papilio (N.) Oisis (*sic*), *Fabricius* [P. Orsis, *Drury*], "alis angulatis cæruleis; margine anticarumque macula atris, subtus obscuris: habitat in Indiis." *Ill.* iii. pl. 16. fig. 3 (1782).

♀. Papilio (N.) Blandina, *Fabricius*, "alis dentatis atris albo maculatis; anticis stria baseos, posticis striga marginali cæruleis: habitat in Indiis." *Donov. Ins. Ind.* pl. 30. fig. 3 (1800).

Fabricius, Ent. Syst. iii. pp. 124, 129, n. 378, 397 (1793).

Brazil. (Obtained 1844, from Mr. Argent) B.M.

Genus 38. EPICALIA, *Westwood*,

Gen. Diurn. Lepid. p. 256 (1850).

1. Epicalia Medea.

Papilio (N. P.) Medea, *Fabricius*, "alis dentatis, falcatis, nigris; fasciis tribus macularibus flavis, angulo ani rubro: habitat in India." P. Chione, *Cramer, Pap. Exot.* i. pl. 90. figs. E, F (1779).

Fabricius, Syst. Ent. p. 508. n. 273 (1775); *Sp. Ins.* p. 96. n. 422 (1781); *Mant. Ins.* p. 52. n. 512 (1787); *Ent. Syst.* iii. p. 129. n. 396 (1793).

Pará. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

The type specimen of *P. Medea* (not quoted by Fabricius) is in the Banksian Collection; the genus *Epicalia* seems in some respects to come near *Diadema*.

2. Epicalia Antiochus.

Papilio (D. F.) Antiochus, *Linnæus*, "alis integerrimis, rotundatis, nigris; supra fascia communi fulva; habitat in China." P. Eupalemon, *Cramer, Pap. Exot.* ii. pl. 143. figs. B, C (1779); P. Antiochus, *Donovan, Ins. China*, pl. 33. fig. 2 (1798).

Fabricius, Syst. Ent. p. 480. n. 164 (1775); *Sp. Ins.* p. 53. n. 233 (1781); *Mant. Ins.* p. 26. n. 270 (1787); *Ent. Syst.* iii. p. 44. n. 134 (1793).

Ega, Upper Amazons. (Obtained 1851; collected by H. W. Bates) B.M.

There is one shattered specimen of *P. Antiochus* in the Banksian Collection.

3. Epicalia Numilia.

♂. Papilio (D. F.) Numilius, *Fabricius* [Numilia, *Cramer*], "alis integerrimis atris, anticis maculis duabus, posticis unica fulvis: habitat in Brasilia." *Pap. Exot.* i. pl. 81. figs. E, F (1799); *Donovan, Nat. Rep.* ii. pl. 55 (1824).

Fabricius, Sp. Ins. p. 57. n. 252 (1781); *Mant. Ins.* p. 28. n. 291 (1787); *Ent. Syst.* iii. p. 53. n. 164 (1793).

Brazil. (Obtained 1842, from Mr. Stevens) B.M.

The type specimen of *P. Numilius*, Fabr., is in the Banksian Collection; this species appears to be the male of Mr. Hewitson's *E. Penthia*.

4. Epicalia Micalia.

♀. Papilio (N. P.) Micalia, *Cramer*, "alis dentatis atris, flavo maculatis, posticis medio fulvo nigro maculato: habitat in America boreali." *Pap. Exot.* ii. pl. 108. figs. C, D (1779).

Fabricius, Sp. Ins. p. 103. n. 453 (1781); *Mant. Ins.* p. 56. n. 551 (1787); *Ent. Syst.* iii. p. 60. n. 188 (1793).

Ega, Upper Amazons. (Obtained 1857; collected by H. W. Bates, Esq.) B.M.

The male of *P. Micalia*, if rightly determined, agrees with that of the preceding species.

5. Epicalia Obrinus.

♂ ♀. Papilio (D. F.) Obrinus, *Linnæus*, "alis integerrimis supra nigris fascia cyanea; subtus viridibus fascia cærulea." *Clerck, Icon.* pl. 31. figs. 2, 3 (1764); *Donovan, Ins. Ind.* pl. 37. fig. 3 (1800).

♀. Papilio (D. F.) Ancæus (part.), *Linnæus*; ♂, *Fabricius*, "alis dentatis atris; primoribus fascia cærulea, posticis lutea: habitat in India."

♂ ♀, *Fabricius, Syst. Ent.* p. 485. n. 186, 187 (1775); ♂, *Sp. Ins.* p. 62. n. 276 (1781); *Mant. Ins.* p. 30. n. 317 (1787); *Ent. Syst.* p. 154. n. 475 (1793).

Pernambuco, Brazil. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

This species is abundant in swampy parts of the forest at Pará; its flight is exceedingly rapid (see Mr. Bates in 'Journ. Entom.' no. x. 1864).

In his 'Mantissa,' Fabricius applies the description of *Aganisthos Orion* to this species, quoting, however, Cramer's figure of *P. Ancæa* (=*P. Obrinus*).

6. Epicalia Ancæa.

♂. Papilio (D. F.) Ancæa, *Linnæus*, "alis integerrimis, supra fuscis fascia cærulea maculaque ferruginea, subtus viridibus fascia albicante: habitat in India." P. Obrinus, *Walch, Naturforscher*, pt. 6. p. 128, pl. 6. figs. 1*a*, 1*b* (1775).

Fabricius, Sp. Ins. (part.) p. 62. n. 275, 276 (1781); *Ent. Syst.* iii. p. 154. n. 474 (1793).

Demerara. (Obtained from Messrs. Bowers & Co.) B.M.

This species, though subsequently confounded by Linnæus, Fabricius, and others with *P. Obrinus*, is well described by Linnæus in

'Mus. Lud. Ulr.;' it is the insect described by Dr. Felder, and figured both by him and Mr. Bates under the name of *Epicalia Batesii*: the female is figured as *P. Ancæa* in Jones's unpublished 'Icones.'

Group 8. Adoliades.

Genus 39. AGERONIA*, *Hübner*, *Verz. bek. Schmett.* p. 42 (1816).

1. Ageronia Ferentina.

Papilio (D. F.) Feronia (part.), *Fabricius* [N. Ferentina, *Godart*]. *Cramer, Pap. Exot.* iv. pl. 362. figs. A, B (1782).
Fabricius, Mant. Ins. p. 36. n. 372 (1787).

Brazil. B.M.

2. Ageronia Amphinome.

Papilio (N. P.) Amphinome, *Linnæus*, "alis dentatis, nigris, cæruleo nebulosis; anticis fascia utrinque alba, posticis subtus rubro radiatis: habitat in America meridionali."
Fabricius, Syst. Ent. p. 508. n. 276 (1775); *Sp. Ins.* p. 97. n. 427 (1781); *Mant. Ins.* p. 53. n. 520 (1787); *Ent. Syst.* iii. p. 131. n. 404 (1793).

Brazil. (Obtained 1843) B.M.

There is one specimen of *P. Amphinome* in the Banksian Collection in the British Museum.

3. Ageronia Feronia.

Papilio (N. G.) Feronia, *Linnæus*, "alis dentatis, supra cæruleo, fusco alboque marmoratis, omnibus ocellis sex: habitat in India orientali." *Clerck, Icon.* pl. 31. fig. 1 (1759).
Fabricius, Syst. Ent. p. 491. n. 210 (1775); *Sp. Ins.* p. 71 n. 318 (1781); *Ent. Syst.* iii. p. 226. n. 710 (1793).

Santa Lucia. (Presented 1838, by William Muter, Esq.) B.M.

In the Banksian Collection a shattered specimen of *A. Februa*, Hübner, is labelled as *P. Feronia*; Cramer's figure, quoted in the 'Species Insectorum,' is not characteristic.

Genus 40. PERIDROMIA, *Boisduval*, *Suit. Buff.* i. pl. 7 c (1836).

1. Peridromia Laodamia.

♂. Papilio (D. F.) Arethusus (part.), *Fabricius, Drury, Ill.* iii. pl. 8. figs. 1, 2 (1782).

* As Dr. Felder has shown, the nearest ally of *Ageronia* is the genus *Pandora*; it also seems to be related through *Peridromia* to *Symphædra* and *Romalcosoma*.

♀. Papilio Laodamia, *Cramer, Pap. Exot.* ii. pl. 130. fig. A (1776).

Fabricius, Mant. Ins. p. 25. n. 266 (1787).

♂, Brazil (presented 1845, by W. F. Evans, Esq.); ♀ (1844, by the Entomological Club). B.M.

There are two specimens labelled *P. Arethusa* in the Banksian Collection; this species is figured by Donovan, 'Nat. Rep.' i. pl. 2. fig. 48 (1824).

2. Peridromia Arethusa.

♂. Papilio (D. F.) Arethusus, *Fabricius*, nec *Drury* [Arethusa, *Cramer*], "alis integerrimis atris cæruleo maculatis, posticis subtus punctis sanguineis: habitat in Surinami." *Pap. Exot.* i. pl. 77. figs. E, F (1779).

Fabricius, Sp. Ins. p. 53. n. 231 (1781); *Ent. Syst.* iii. p. 43. n. 130 (1793).

Venezuela, ♂ ♀. (Obtained 1846–47, from Mr. Dyson) B.M.

This species is well figured in Dr. Boisduval's 'Species Général des Lépidoptères,' pl. 23 (7 c), fig. 5; it differs from Cramer's figure of *P. Laodamia* in the form of the front-wing band.

Genus 41. DIDONIS*, *Westwood*,

Gen. Diurn. Lepid. p. 405 (1851).

1. Didonis Biblis.

Papilio (N. P.) Biblis, *Fabricius*, "alæ omnes atræ, anticis loco fasciæ pallidioribus; posticis fascia e maculis septem sanguineis, apice emarginatis: habitat in America." P. Hyperia, *Cramer, Pap. Exot.* iii. pl. 236. figs. E, F (1782).

Fabricius, Syst. Ent. p. 505. n. 261 (1775); *Sp. Ins.* p. 91. n. 401 (1781); *Mant. Ins.* p. 49. n. 482 (1787); *Ent. Syst.* iii. p. 119. n. 365 (1793).

Brazil. (Presented by Major-General T. Hardwicke) B.M.

The type of *P. Biblis* is in the Banksian Collection in the British Museum.

Genus 42. SYMPHÆDRA, *Hübner*,

Verz. bek. Schmett. p. 39 (1816).

1. Symphædra Thyelia.

Papilio (N.) Thyelia, *Fabricius*, "alis dentatis fulvis nigro macu-

* Mr. Bates has pointed out the affinities of this genus; the type of Hübner's *Didonis* is an *Elymnias*.

latis, posticis subtus fascia alba punctisque duobus baseos coccineis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 31. fig. 3 (1800).

Fabricius, Ent. Syst. iii. p. 142. n. 437 (1793).

North India, ♂ ♀. (Obtained 1843, from Mr. Lewis James) B.M.

2. Symphædra Æropus.

Papilio (D. F.) Æropus, *Linnæus*, "alis integerrimis, fuscis, fascia lutea: anticis subtus basi ocello unico: habitat in Indiis." *Clerck, Icon.* pl. 39. figs. 1, 2 (1764).

Fabricius, Syst. Ent. p. 486. n. 190 (1775); *Sp. Ins.* p. 64. n. 287 (1781); *Mant. Ins.* p. 31. n. 332 (1787); *Ent. Syst.* iii. p. 154. n. 473 (1793),

Ceram, ♂ ♀. (Obtained 1855; collected by Madame Ida Pfeiffer) B.M.

Both sexes of *P. Æropus* are figured by Cramer (pl. 111. figs. F, G, and pl. 254. figs. A, B) from Amboina.

3. Symphædra Dirtea.

♀. Papilio (F.) Dirtea, *Fabricius*, "alis dentatis concoloribus nigris flavo punctatis: habitat in Bengalia." *G. R. Gray, Lep. Ins. Nepal*, pl. 10 (1846).

Fabricius, Ent. Syst. p. 59. n. 184 (1793).

♂, Silhet (obtained 1845, from Mr. Stainsforth); ♂ ♀, Java (from Mrs. Henry). B.M.

Figured in the unpublished 'Icones' of the late Mr. Jones.

Genus 43. TANAËCIA, *Butler*,

Proc. Zool. Soc. p. 610. figs. 2, 2*a* (1868).

1. Tanaëcia Pelea.

♀. Papilio (N. P.) Pelea, *Fabricius*, "alis dentatis fuscis, anticis maculis sagittatis albis nigrisque; subtus cinereis, lunulis nigris: habitat in India." Adolias Palguna, *Moore*.

Fabricius, Mant. Ins. p. 53. n. 523 (1787); *Ent. Syst.* iii. p. 133. n. 409 (1793).

Java. (Obtained 1850, from the Hon. East-India Comp.) B.M.

Genus 44. ADOLIAS, *Boisduval*,

Suit. Buff. i. pl. 3 A (1836).

1. Adolias Lubentina.

Papilio (N. P.) Lubentina, *Cramer*, "alis dentatis obscure virescentibus albo nigro rufoque maculatis: habitat in China." *Pap. Exot.* ii. pl. 155. figs. C, D (1779); *Donovan, Ins. China*, pl. 36. fig. 3 (1798).

Fabricius, Sp. Ins. p. 91. n. 403 (1781); *Mant. Ins.* p. 49. n. 486 (1787); *Ent. Syst.* iii. p. 121. n. 370 (1793).

Ceylon. (Presented 1852, by Dr. R. Templeton; collected by Mrs. Templeton) B.M.

There is one specimen of *P. Lubentina* in the Banksian Collection.

2. Adolias Cocytus.

♂. Papilio (D. F.) Cocytus, *Fabricius*, "alis integerrimis falcatis supra nigris, margine postico cinereis: habitat in Siam." *Proc. Zool. Soc. London*, p. 607, pl. 45. figs. 3 & 10 (1868).

Fabricius, Mant. Ins. p. 29. n. 316 (1787); *Ent. Syst.* iii. p. 55. n. 171 (1793).

The type specimen and female, from Siam, are in the Banksian Collection (see Ann. & Mag. Nat. Hist. 4th ser. i. p. 70: 1868).

3. Adolias Monina.

♂. Papilio (N. P.) Monina, *Fabricius*, "alæ anticæ fuscæ maculis aliquot baseos obsoletis ferrugineis; ad angulum ani litura cærulescens: posticæ basi fuscæ, apice brunneæ angulo ani late cærulescente striga undata nigra: subtus omnes cinereæ lunula baseos (*lunulis* in Ent. Syst.) strigaque postica nigris: habitat in India orientali." *Butler, Proc. Zool. Soc.* p. 608, pl. 45. fig. 4 (1868).

Var. ♂. Papilio (N.) Cocyta, *Fabricius*, "alis repando dentatis fuscis: posticis apice cærulescentibus: habitat in India orientali."

Fabricius, Mant. Ins. p. 51. n. 502 (1787); *Ent. Syst.* iii. p. 127. n. 388, 390 (1793).

East Indies. (Obtained 1844, from Mr. Argent) B.M.

This species seems to be common at Singapore: *P. Cocyta* is figured by Jones in his unpublished 'Icones.'

Genus 45. HARMA, *Westwood*, *Gen. Diurn. Lepid.* p. 287 (1850).

1. Harma Althea.

Papilio (N. P.) Althea, *Cramer*, "alis dentatis fuscis, fascia strigaque angulato-dentatis albis: habitat in Guinea."

Fabricius, Sp. Ins. p. 88. n. 389 (1781); *Mant. Ins.* p. 47. n. 469 (1787); *Ent. Syst.* iii. p. 113. n. 347 (1793).

Ashanti. (Obtained 1842) B.M.

2. Harma Cænis.

♂. Papilio (N. P.) Amphiceda, *Cramer* [P. Cænis, var., *Drury*], "alis dentatis fuscis, disco communi cinereo fusco undato, subtus apice griseis, lunulis nigris: habitat in Guinea." *Pap. Exot.* ii. pl. 146. figs. D, E (1779).

Fabricius, Sp. Ins. p. 105. n. 461 (1781); *Mant. Ins.* p. 57. n. 563 (1787); *Ent. Syst.* iii. p. 113. n. 348 (1793).

Ashanti. (Obtained 1844) B.M.

Genus 46. ATERICA, *Boisduval*, *Fauna Madag.* p. 47 (1833).

1. Aterica Opis.

♀. Papilio (N. P.) Opis, *Drury*, "alis dentatis fuscis, anticis flavo reticulatis, posticis fasciatis: habitat in Sierra Leon Africæ." *Ill.* ii. pl. 18. figs. 5, 6 (1773).

♂. Papilio (N.) Æthiopa, *Fabricius* [Afer, *Drury*], "alis dentatis cæruleis, anticis apice atris albo punctatis: habitat in Africa." *Ill.* iii. pl. 36. figs. 1, 2 (1783).

♀, *Fabricius, Sp. Ins.* p. 97. n. 428 (1781); *Mant. Ins.* p. 53. n. 521 (1787); ♂ ♀, *Ent. Syst.* iii. pp. 131, 136, n. 405, 420 (1793).

Gaboon, ♂ ♀. (Collected by M. Du Chaillu) B.M.

A specimen of the Sierra-Leone form of *Iæra Crithea* is labelled "*P. Opis*, Drury," in the Banksian Collection.

2. Aterica Absolon.

Papilio (F.) Absolon, *Fabricius*, "alis integerrimis fulvis fusco fasciatis; subtus aurantiis fusco undatis: habitat in Guinea."

♂. Papilio (S.) Auge, *Fabricius*, "alis dentatis fuscis; anticis fasciis viridibus, posticis fulva nigro maculata; subtus puncto baseos atro: habitat in Indiis." *Donovan, Ins. Ind.* pl. 36. fig. 4 (1800).

Fabricius, Ent. Syst. iii. pp. 56, 248, n. 174, 773 (1793).

Ashanti, ♂ ♀. (Obtained from the Wesleyan Missionary Society) B.M.

3. Aterica Veronica.

♂. Papilio (N.) Veronica, *Cramer*, "alis dentatis supra virescentibus subtus ferrugineis fascia pallidiore: habitat in Guinea." *Pap. Exot.* iv. pl. 325. figs. C, D (1782).

♀. Papilio (N.) Gnidia, *Fabricius*, "alis dentatis testaceis; anticis apice fuscis, fascia alba; posticis striga fulva, lunulis nigris: habitat in Indiis." *Donovan, Ins. Ind.* pl. 32. fig. 2 (1800).

Fabricius, Ent. Syst. iii. pp. 136, 137, n. 421, 422 (1793).

♀, Sierra Leone (presented by the Rev. D. F. Morgan); ♂, local form, Ashanti (obtained 1844). B.M.

There is one specimen of the typical *P. Veronica* in the Banksian Collection in the British Museum.

4. Aterica Doriclea.

Papilio (S.) Doriclea, *Drury*, "alis repandis fuscis; posticis

fascia fulva nigro punctata, subtus puncto atro: habitat in Indiis." *Ill.* iii. pl. 36. figs. 5, 6 (1782).

Fabricius, Ent. Syst. iii. p. 248. n. 772 (1793).

Not in the British-Museum collection: it seems most nearly allied to *A. Gambia* of Feisthamel.

5. Aterica Cupavia.

Papilio (D. F.) Cupavius (*sic*), *Fabricius* [P. Cupavia, *Cramer*], "alis integris atris albo maculatis, posticis subtus griseis, fascia utrinque alba: habitat in Guinea, Sierra Leon." *Pap. Exot.* iii. pl. 193. figs. E, F (1781?)

Fabricius, Sp. Ins. p. 60. n. 263 (1781); *Mant. Ins.* p. 28. n. 302 (1787); *Ent. Syst.* iii. p. 152. n. 467 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

There is one specimen of *P. Cupavia* in the Banksian Collection.

6. Aterica Dædalus.

Papilio (D. F.) Dædalus, *Fabricius*, "alis integerrimis, fuscis, albo maculatis, subtus brunneis: habitat in Guinea."

Papilio (N. P.) Melantha, *Fabricius*, "alis dentatis, supra fuscis, albo punctatis: habitat in Guinea."

Var. Papilio (N. P.) Meleagris, *Cramer*, "alis subdentatis albo punctatis, supra fuscis, subtus flavescentibus: habitat in Africa æquinoctiali." *Pap. Exot.* i. pl. 66. figs. A, B (1779).

Papilio (F.) Hesperus, *Fabricius*, "alis repandis fuscis nigro undatis, anticis punctis quatuor albis: habitat . . . ."

Fabricius, Syst. Ent. pp. 482, 513, n. 174, 296 (1775); *Sp. Ins.* pp. 57, 96, n. 250, 419, 420 (1781); *Mant. Ins.* pp. 27, 52, n. 289, 508, 509 (1787); *Ent. Syst.* iii. pp. 47, 53, 128, n. 145, 162, 393, 394 (1793).

Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

The double type of *P. Dædalus* and *P. Melantha* (agreeing with *A. Stictica*) is in the Banksian Collection: the description of *P. Hesperus* is not good, and agrees much better with the female of *Adolias Phemius* of Doubleday; it is, however, figured in Jones's 'Icones,' now in the possession of F. Dawtrey Drewitt, Esq.

Genus 47. EURYPHENE (*Boisd.*), *Westwood, Gen. Diurn. Lepid.* p. 285 (1850).

1. Euphene Cocalia.

♀. Papilio (S.) Cocalia, *Fabricius*, "alis dentatis fuscis, anticis nigro flavoque maculatis, subtus omnibus griseis, striga punctorum alborum: habitat in Indiis." *Donovan, Ins. Ind.* pl. 36. fig. 1 (1800); ♂, E. Theognis, *Hewitson, Exot. Butterf.* iii. pl. 21. figs. 3, 4 (1864).

♀. Papilio (S.) Mardania, *Fabricius*, "alis dentatis fulvis; anticis apice nigris, fascia alba; posticis punctis quatuor ocellaribus flavis: habitat in Indiis."

Fabricius, Ent. Syst. iii. pp. 249, 250, n. 776, 777 (1793).

Ashanti, ♂ ♀. (Obtained 1842) B.M.

The Fabrician description of *P. Cocalia* is not very characteristic.

2. Euryphene Sophus.

♂. Papilio (F.) Sophus, *Fabricius*, "alis integerrimis; anticis nigris, disco fulvo nigro maculato; posticis fuscis, punctis strigaque nigris: habitat . . . ."

Fabricius, Ent. Syst. iii. p. 46. n. 141 (1793).

Sierra Leone, ♂ ♀. (Presented by the Rev. D. F. Morgan) B.M.

3. Euryphene Arcadius.

Papilio (N.) Arcadius, *Fabricius*, "alis integerrimis, anticis nigris, cæruleo alboque maculatis, posticis fuscis; subtus brunneis: habitat in Africa." *Donovan, Nat. Repos.* v. pl. 155 (1827).

Fabricius, Ent. Syst. iii. p. 151. n. 463 (1793).

Ashanti. (Obtained 1844) B.M.

The Fabrician description, being taken from Jones's drawing (copied by Donovan), is not very characteristic of the species.

Genus 48. ROMALEOSOMA, *Blanchard*, *Hist. Nat. Ins.* iii. p. 448 (1840–41).

1. Romaleosoma Perseis.

Papilio (N.) Persea (*sic*), *Fabricius* [Perseis, *Drury*], "alis dentatis oblongis atris flavo maculatis discoque communi rubro: habitat in Indiis." *Ill.* ii. pl. 21. figs. 3, 4 (1773).

Fabricius, Ent. Syst. iii. p. 137. n. 423 (1793).

Ashanti, ♂ ♀. (Obtained 1844) B.M.

2. Romaleosoma Eleus.

Papilio (F.) Eleus, *Drury*, "alis integerrimis fulvis, margine atro; anticarum fascia, posticarum punctis albis: habitat in America." *Ill.* iii. pl. 12. figs. 1, 2 (1782); *Donovan, Nat. Rep.* iv. pl. 113 (1826).

Fabricius, Ent. Syst. iii. p. 51. n. 156 (1793).

♂ ♀, Congo (presented 1843, by Dr. Richardson; collected by A. Curror, Esq., Surgeon, R.N.); ♀, Ashanti (obtained 1844.) B.M.

Our females from Congo agree best with Drury's figure; his type was from Sierra Leone: the male from Congo agrees with the *R. Ruspina* of Hewitson, Exot. Butterf. iii. pl. 2, *Romaleosoma*, figs. 6, 7 (1865).

3. Romaleosoma Ceres.

Papilio (N. P.) Ceres, *Fabricius*, "alis dentatis nigris; anticis fascia alba; posticis disco cærulescente, puncto atro: habitat in Sierra Leone." ♀, P. Medon, *Cramer, Pap. Exot.* iii. pl. 205. figs. C, D (1781?).

Fabricius, Syst. Ent. p. 504. n. 257 (1775); *Sp. Ins.* p. 90. n. 396 (1781); *Mant. Ins.* p. 11. n. 104 (1787); *Ent. Syst.* iii. p. 82. n. 256 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

In the National collection we have *P. Ceres* under five distinct forms, the first *P. Ceres* being apparently constant to Sierra Leone, the second, fourth, and fifth occurring at Ashanti, the third at Congo; they may be defined as follows:—

1. *P. Ceres.* Above and below pale green; front wings with whitish band.

2. Above and below golden green, with yellow band.

3. *P. Lucille,* Cramer (pl. 156). Above pale green, with white or yellow band; below purplish brown, with silvery band in both wings.

4. Above bluish green, with white or yellow band; below purplish brown, with the base orange; a distinct broad white band and perpendicular medio-costal black spot to hind wings.

5. *P. Themis,* Hübner. Above and below bluish or golden green, with scarlet or peach-colour at the base of the wings; hind wings below sometimes with and sometimes without white band.

The above varieties form a gradual transition from the *Ceres* of Cramer to the *Themis* of Hübner, and go a long way towards proving the instability of the red colouring at the bases of the wings in *Romaleosoma* as a character for the determination of specific distinction.

4. Romaleosoma Cyparissa.

♂. Papilio (H.) Cyparissa, *Cramer*, "alis subintegris nigris disco communi virescente, subtus nigro punctatis, posticis macula baseos rufa: habitat in Sierra Leon Africæ." *Pap. Exot.* i. pl. 39. figs. D, E (1776).

♂. Papilio (E. A.) Cato, *Fabricius*, "alis dentatis nigris, disco communi virescente; subtus nigro punctatis, posticis macula baseos rufa."

Fabricius, Sp. Ins. p. 33. n. 137 (1781); *Mant. Ins.* p. 12. n. 105 (1787); *Ent. Syst.* iii. p. 83. n. 258 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The *P. Gausape* of Butler (P. Z. S. pp. 670, 671. fig. 5, 1865) represents *P. Cyparissa* in the Banksian Collection; it is also figured by Cramer (Pap. Exot. ii. pl. 156. fig. B, 1779) under the same name.

5. Romaleosoma Medon.

Papilio (E. A.) Medon, *Linnæus*, "alis supra nigris: anticis fascia lutea apiceque albo; posticis disco cærulescentibus: habitat in Indiis." *Clerck*, *Icon.* pl. 28. fig. 1 (1764); *Butler*, *P. Z. S.* pp. 672, 673 (1865).

Fabricius, *Syst. Ent.* p. 456. n. 55 (1775); *Sp. Ins.* p. 22. n. 89 (1781); *Mant. Ins.* p. 11. n. 102 (1787); *Ent. Syst.* iii. p. 81. n. 254 (1793).

Congo. (Presented 1843, by Dr. Richardson; collected by A. Curror, Esq., Surgeon, R.N.) B.M.

We have a beautiful local representative of *P. Medon* from the Gaboon; it chiefly differs in having a central abbreviated green band on the upper surface of the wings.

6. Romaleosoma Eupalus.

♂. Papilio (D. F.) Eupalus, *Fabricius*, "alis integerrimis fuscis, posticis fascia cærulea, subtus viridibus, puncto atro: alæ omnes virides puncto baseos atro; in quibusdam striga punctorum albidorum: habitat in Africa æquinoctiali." ♀. Euryphene Swanziana, *Butler*, *Proc. Zool. Soc.* p. 222, pl. 17. figs. 7, 8 (1868).

♂. Papilio (E. A.) Erithonius, *Fabricius*, "alis nigris; posticis fascia cærulea, subtus viridibus, striga punctorum alborum: habitat in Africa."

Fabricius, *Sp. Ins.* p. 54. n. 241 (1781); *Mant. Ins.* pp. 11, 27, n. 103, 279 (1787); *Ent. Syst.* iii. pp. 48, 82, n. 148, 255 (1793).

This species seems to be quite distinct from Cramer's *P. Harpalyce*; both sexes agree in having no yellow band on the upperside, but a series of white spots on the underside: it appears to be restricted to the Ashti ancoast. The type specimen of *P. Eupalus* is in the Banksian Collection.

7. Romaleosoma Janassa.

Papilio (N. P.) Janassia (*sic*), *Fabricius* [Janassa, var., *Linnæus*], "alis repandis viridi æneis: anticis punctis nigris, subtus flavescentibus punctis baseos nigris: habitat in Africa."

Fabricius, *Mant. Ins.* p. 49. n. 487 (1787); *Ent. Syst.* iii. p. 121. n. 371 (1793).

Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

Fabricius, in his description of *P. Janassa*, makes no mention of the subapical band upon the upper surface of the front wings; we, however, have a specimen in which this band is somewhat obscured by greenish scaling, showing a tendency towards the obliteration of this character.

Genus 49. PSEUDACRÆA, *Westwood*,

Gen. Diurn. Lepid. p. 281 (1850).

1. Pseudacræa Euryta.

♀. Papilio (H.) Euryta, *Linnæus*, "alis oblongis, integerrimis, fuscis, concoloribus, nigro striatis, fascia alba; posticis punctis decem atris: habitat in Indiis." *Clerck, Icones*, pl. 31. fig. 4 (1764).

♂. Papilio (H.) Gea (part.), *Fabricius*, "alis oblongis integerrimis nigris: anticis maculis duabus, posticis disco fulvo nigro striato, subtus basi nigro striato: habitat in Africa æquinoctiali." P. Hirce, *Drury, Ill.* iii. pl. 28. figs. 3, 4 (1782).

Fabricius, Syst. Ent. p. 463. n. 89 (1775); *Sp. Ins.* p. 32. n. 131 (1781); (part.) *Mant. Ins.* p. 16. n. 157 (1787); *Ent. Syst.* iii. p. 175. n. 543 (1793).

♂, Ashanti (obtained 1844, from the Wesleyan Missionary Society); ♀ (obtained 1845). B.M.

Pseudacræa Euryta, from its great resemblance to the *Planema* group of the *Acræinæ*, has been confounded with them by Linnæus, Fabricius, Cramer, and others, the males being associated together in the Linnæan and Banksian Collections (and indeed, until lately, in the British-Museum collection). Fabricius, however, noticed a difference between the two males, and accordingly described the *Pseudacræa* as a variety with black spots at the base of the wings. Mr. Trimen considers that the proper position of the genus is next to *Romaleosoma*, and he is probably right, though, in some respects it seems more nearly to approach *Diadema*.

Group 9. **Diademæ.**

Genus 50. PANOPEA, *Hübner*,

Verz. bek. Schmett. p. 39 (1816).

1. Panopea Lucretia.

Papilio (S.) Sulpitia, *Fabricius* [Lucretia, *Cramer*], "alis dentatis nigris, fascia communi alba; posticis baseos nigris, fascia media punctisque apicis albis: habitat in Indiis." *Pap. Exot.* i. pl. 45. figs. C, D (1779).

Fabricius, Ent. Syst. iii. p. 245. n. 765 (1793).

West Africa. (Presented by E. Doubleday, Esq.) B.M.

Probably a forest-haunting species.

2. Panopea Hostilia.

Papilio (N.) Hostilia, *Drury*, "alis dentatis fuscis basi fulvis nigro punctatis, anticis apice flavo maculatis: habitat in Sierra Leon Africæ." *Ill.* iii. pl. 28. figs. 5, 6 (1782).

Fabricius, Ent. Syst. iii. p. 130. n. 399 (1793).

Not in the collection of the British Museum.

3. Panopea Semire.

Papilio (N. P.) Semire, *Cramer*, "alis dentatis subconcoloribus fuscis viridi fulvoque maculatis basi fulvis nigro punctatis: habitat in Sierra Leon Africæ." *Pap. Exot.* iii. pl. 194. figs. B, C (1781?).

Fabricius, *Sp. Ins.* p. 88. n. 391 (1781); *Mant. Ins.* p. 48. n. 472 (1787); *Ent. Syst.* iii. p. 114. n. 351 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

This species in some respects resembles *Gnesia Circeis* of Drury; the figure of the latter in the third volume of the 'Illustrations' is from a faded specimen. There are two specimens of *P. Semire* in the Banksian Collection.

Genus 51. DIADEMA, *Boisduval*, *Voyage de l'Astrolabe*, p. 135 (1832).

1. Diadema Bolina.

♂. Papilio (N. P.) Bolina (part.), *Linnæus**, "alis dentatis nigris: anticis maculis duabus, posticis solitaria albo-cærulea: habitat in Portulaca Indiæ orientalis." *Clerck*, *Icon.* pl. 21. fig. 2.

♀. Papilio (N.) Nerina, *Fabricius*, "alis dentatis, atris: fascia alba anticarum terminata macula rufa: habitat in Nova Hollandia." *Donovan*, *Ins. New Holland*, pl. 27. fig. 1 (1805).

♀. Papilio (N. P.) Panope, *Fabricius* [P. Perimele, *Cramer*], "alis dentatis fuscis concoloribus, limbo exteriore albo maculatis, posticis margine luteo maculatis: habitat in Asia." *Pap. Exot.* i. pl. 65. figs. C, D (1779).

♀. Papilio (F.) Jacintha, *Drury*, "alis repando dentatis fuscis: anticis striga punctorum alborum, posticis apice albis: habitat in India orientali." *Ill.* ii. pl. 21. figs. 1, 2 (1773); *Donovan*, *Ins. China*, pl. 33. fig. 3 (1798).

♀. Papilio (N.) Avia, *Fabricius*, "alis dentatis subconcoloribus nigris, striga punctorum fasciaque maculari marginali pallidis: habitat in Africa æquinoctiali."

♂. Papilio (N.) Liria, *Fabricius* [Auge, *Cramer*], "alis dentatis atris, macula albo-cyanea, omnibusque striga punctorum alborum; subtus fuscis, fascia albida: habitat in India orientali." *Pap. Exot.* ii. pl. 190. figs. A, B (1779).

♂. Papilio (N.) Lasinassa, *Cramer*, "alis dentatis atris, macula cyanea nitida; subtus fuscis, lunulis albis: habitat in Asia." *Pap. Exot.* iii. pl. 205. figs. A, B (1782).

♂ ♀, *Fabricius*, *Syst. Ent.* pp. 507, 509, n. 269, 277 (1775); *Sp. Ins.* pp. 98, 102, n. 430, 450 (1781); *Mant. Ins.* pp. 50, 53, 55, n. 499, 524, 546 (1793); *Ent. Syst.* iii. pp. 60, 111, 126, 127, 133, n. 187, 342, 385, 386, 410 (1793).

* Linnæus confounded the male of *P. Misippus* with *P. Bolina*; he, however, quoted Clerck's figure for the species, which at once settles the question as to which insect should bear the Linnæan name. See Ann. & Mag. Nat. Hist. 4th Ser. iii. p. 20, note (1869); and Trans. Ent. Soc. Lond. p. 278 (1869).

P. Bolina, Ceylon. (Obtained 1845, from the Rev. J. Wenham) B.M.
Var. *P. Nerina*, Australia. (Obtained 1850, collected by Mr. Macgillivray) B.M.
Var. *P. Jacintha*, Moulmein. (Obtained 1843, from Archdeacon Clerk) B.M.
Var. *P. Liria*, Celebes. (Obtained 1855, collected by Madame Ida Pfeiffer) B.M.
Var. *P. Lasinassa*, India. (Obtained from Mr. Lee's sale) B.M.

According to Mr. Swinhoe this species settles upon hedges, and has a stately, sailing flight (P. Z. S. 1866, p. 359). Capt. Lang describes the female (Ent. Month. Mag. i. p. 153) as frequenting woods and orchards, affecting the shade of the trees.

The type and a second specimen of *P. Nerina*, and the type of *P. Avia* (*P. Jacintha*, Drury) are in the Banksian Collection. *P. Perimele* scarcely differs from *P. Velleda*, Cr.: we have the latter from the East Indies (obtained at Mr. Lee's sale); the typical *P. Perimele* seems to have come from Java.

2. Diadema Misippus.

♂. Papilio (N. P.) Bolina (part.), *Linnæus & Fabricius*; *Cramer, Pap. Exot.* i. pl. 65. figs. E, F (1779).

♀. Papilio (F.) Diocippus, *Cramer* [P. Misippus, *Linnæus*], "alis repandis fulvis: limbo communi nigro albo punctato, posticis subtus punctis tribus nigris strigaque postica punctorum alborum: habitat in India." *Pap. Exot.* i. pl. 28. figs. B, C (1775).

♂, *Fabricius, Sp. Ins.* p. 95. n. 414 (1781); ♀, *Fabricius, Ent. Syst.* iii. pp. 51, 126, n. 158, 384 (1793).

Ceylon. (Presented 1852, by R. Templeton, Esq., collected by Mrs. Templeton) B.M.

The male is much more active than the female (Swinhoe, P. Z. S. 1866). There are two male specimens of *P. Misippus* (labelled "*P. Bolina*") in the Banksian Collection in the British Museum.

3. Diadema Alimena.

Papilio (N. P.) Alimena, *Linnæus*, "alis dentatis, atris, fascia cærulea, interrupta; singulis punctis septem albidis, marginalibus: habitat in Indiis." *Cramer, Pap. Exot.* iii. pl. 221. figs. A–C (1782).

Fabricius, Syst. Ent. p. 509. n. 279 (1775); *Sp. Ins.* p. 98. n. 432 (1781); *Mant. Ins.* p. 53. n. 526 (1787); *Ent. Syst.* iii. p. 134. n. 412 (1793).

Amboina. (Obtained 1858, collected by A. R. Wallace, Esq.) B.M.

There are two specimens of *P. Alimena* (apparently Australian) in the Banksian Collection.

4. Diadema Salmacis.

Papilio (N.) Salmasis (*sic*), *Fabricius* [P. Salmacis, *Drury*], "alis

dentatis atris cæruleo radiatis, subtus fuscis, fascia alba: habitat in Africa." *Ill.* ii. pl. 8. figs. 1, 2 (1773).

Fabricius, Ent. Syst. iii. p. 132. n. 408 (1793).

Ashanti. (Obtained 1844) B.M.

5. Diadema Pandarus.

♀. Papilio (E. T.) Pandarus, *Linnæus*, "alis subdentatis, nigricantibus, albo maculatis, concoloribus; posticis flavis: ocellis septem nigris: habitat in India."

♀. Papilio (N. G.) Pipleis, *Linnæus*, "alis crenatis, nigris, concoloribus; posticis disco fulvo, ocellis septem: habitat in Indiis." *Clerck, Icon.* pl. 26. fig. 2.

♂. Papilio (N. G.) Calisto, *Cramer*, "alis dentatis atris; posticis fascia sanguinea, ocellis supra quinque, subtus septem: habitat in Africa." *Pap. Exot.* i. pl. 24. figs. A, B (1775).

♀, *Fabricius, Syst. Ent.* pp. 448, 499, n. 26, 242 (1775); ♂, *Fabricius, Gen. Ins.* p. 263. n. 247, 248 (1776); ♂ ♀, *Fabricius, Sp. Ins.* pp. 10, 84, 86, n. 37, 368, 381 (1781).

P. Calisto (*sic*), ♂ ♀, *Fabricius, Mant. Ins.* pp. 5, 45, 46, n. 40, 444, 459 (1787); *Ent. Syst.* pp. 19, 105, 109, n. 57, 324, 338 (1793).

Amboina. (Obtained 1858, collected by A. R. Wallace, Esq.) B.M.

Genus 52. HESTINA, *Westwood*,

Gen. Diurn. Lepid. p. 281 (1850).

1. Hestina assimilis.

Papilio (N. P.) assimilis, *Linnæus*, "alis subrepandis, concoloribus; punctis cærulescenti-albis, versus basin lineatis: habitat in China." *Clerck, Icon.* pl. 16. fig. 1.

Fabricius, Syst. Ent. p. 511. n. 289 (1775); *Sp. Ins.* p. 101. n. 445 (1781); *Mant. Ins.* p. 54. n. 540 (1787); *Ent. Syst.* iii. p. 39. n. 114 (1793).

Shanghai, China. (Obtained 1858, from the collection of the Entomological Society of London) B.M.

P. assimilis, though not uncommon, is difficult to capture (see Mr. Swinhoe in P. Z. S. 1866, p. 359).

Genus 53. MENERIS, *Westwood*,

Gen. Diurn. Lepid. p. 296 (1850).

1. Meneris Tulbaghia.

Papilio (N. G.) Tulbaghia, *Linnæus*, "alis dentatis, subconcoloribus, fuscescentibus, fascia lutea; posticis ocellis quinque: habitat ad Cap. bon. Spei."

Fabricius, Syst. Ent. p. 499. n. 241 (1775); *Sp. Ins.* p. 83.

n. 367 (1781); *Mant. Ins.* p. 45. n. 433 (1787); *Ent. Syst.* iii. p. 105. n. 323 (1793).

Cape Colony, ♂ (obtained 1840, from Dr. Krauss), ♀ (presented 1859, by the Zoological Society of London, from the Vigorsian Collection). B.M.

"Local; sides of mountains and lofty hills," *Trimen* (see Rhop. Afr. Austr. p. 164).

There is one specimen of *P. Tulbaghia* in the Banksian Collection.

Genus 54. AGRIAS*, *E. Doubleday*, *Proc. Zool. Soc.* p. 46 (1848).

1. Agrias Claudia.

Papilio (N. G.) Claudia, *Fabricius*, "alis crenatis nigris area sanguinea; posticis subtus marmoratis, ocellis septem: habitat in India." *Walch, Naturforscher*, pt. 9. p. 100, pl. 2. figs. 1, 2 (1776).

Fabricius, Gen. Ins. p. 263. n. 242, 243 (1776); *Sp. Ins.* p. 84. n. 369 (1781); *Mant. Ins.* p. 45. n. 445 (1787); *Ent. Syst.* iii. p. 105. n. 325 (1793).

Brazil. (Obtained 1848, from Mr. Stevens) B.M.

Aberrant Genera.

Genus 55. SMYRNA†, *Westwood*, *Gen. Diurn. Lepid.* p. 297 (1850).

1. Smyrna Blomfildia.

♂. Papilio (N. G.) Blomfildia, *Fabricius*, "alis dentatis, flavis, apice nigris; posticis subtus fuscis albo undatis; ocellis quatuor, intermediis cæcis: habitat in Brasilia." P. Blomfildii (*sic*), *Hübner*, *Exot. Schmett.* ii. pl. 65. figs. 3, 4 (1806).

Papilio (S.) Proserpina, *Fabricius*, "alis dentatis fulvis; anticis apice atris, punctis flavis; posticis subtus marmoratis; ocellis quatuor, intermediis cæcis: habitat . . . ."

Fabricius, Sp. Ins. p. 84. n. 370 (1781); *Mant. Ins.* p. 45. n. 447 (1787); *Ent. Syst.* iii. pp. 106, 228, n. 326, 713 (1793).

? Brazil, ♂ (presented 1845, by T. Tatum, Esq.), ♀ (from Mr. Children's sale). B.M.

The type specimen of *P. Proserpina* is in the Banksian Collection.

* Some, if not all, of the species have pencils of hair upon the wings; but in other respects they come close to *Diadema*.

† Also in Hübner's 'Sammlung.'

Genus 56. PYRRHOGYRA, *Hübner*,
Verz. bek. Schmett. p. 43 (1816).

1. **Pyrrhogyra Neærea.**

Papilio (N. P.) Neærea, *Linnæus*, "alis dentatis, supra fuscis, albo maculatis, subtus maculis albis linea rubra cinctis: habitat in India." *Cramer, Pap. Exot.* i. pl. 75. figs. C, D (1779).

Fabricius, Syst. Ent. p. 510. n. 286 (1775); *Sp. Ins.* p. 100. n. 441 (1781); *Mant. Ins.* p. 54. n. 536 (1787); *Ent. Syst.* iii. p. 137. n. 424 (1793).

Pará. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

There is one shattered specimen of *P. Neærea* in the Banksian Collection in the British Museum.

Genus 57. GODARTIA, *Lucas*,
Annal. Soc. Ent. France (1842).

1. **Godartia Eurinome.**

Papilio (N. P.) Eurinome, *Cramer*, "alis dentatis nigris, albo maculatis, posticis basi albis: habitat in India orientali." *Pap. Exot.* i. pl. 70. fig. A (1779). P. Euronimene (*sic*), *Donovan, Ins. Ind.* pl. 34. fig. 3 (1800).

Fabricius, Sp. Ins. p. 101. n. 443 (1781); *Mant. Ins.* p. 54. n. 538 (1787); *Ent. Syst.* iii. p. 57. n. 178 (1793).

Ashanti. (Obtained 1844) B.M.

This curious species, like *Papilio similis*, is probably an imitation of *Danais Leonora*, Butler.

Group 10. **Argynnides.**

Aberrant Genera.

Genus 58. CETHOSIA, *Fabricius*,
Illiger's Magaz. vi. p. 280 (1808).

1. **Cethosia Cyane.**

Papilio (N. P.) Cyane, *Drury*, "alis dentatis, nigris; anticis fascia, posticis disco, nigro punctato, albis: habitat in India." *Drury, Ill.* i. pl. 4. fig. 1 (1770); *Donovan, Ins. Ind.* pl. 35. fig. 2 (1800).

Fabricius, Syst. Ent. p. 503. n. 253 (1775); *Sp. Ins.* p. 89. n. 392 (1781).

*Local form, *Fabricius, Mant. Ins.* p. 48. n. 473 (1787); *Ent. Syst.* iii. p. 115. n. 352 (1793).

Silhet. (Obtained 1845, from Mr. Sowerby) B.M.

* *P. Cyane* of Cramer (Pap. Exot. iv. pl. 295. figs. C, D: 1782), "Malabar."

Taken by Capt. Lang in a wild jungly spot on the Gogra at Oudh (see Ent. Month. Mag. i. p. 131).

There is one worn specimen of *P. Cyane* in the Banksian Collection.

2. Cethosia Penthesilia.

Papilio (N. P.) Penthesilia, *Cramer*, "alis dentatis, atris, albo maculatis; posticis subtus fasciis flavis albaque, nigroque maculatis: habitat in India." *Pap. Exot.* ii. pl. 145. figs. B, C (1779).

Fabricius, Sp. Ins. p. 88. n. 390 (1781); *Mant. Ins.* p. 48. n. 470 (1787); *Ent. Syst.* iii. p. 114. n. 349 (1793).

Java. (Obtained 1849, from Mr. Argent) B.M.

There is one specimen of *P. Penthesilia* in the Banksian Collection.

3. Cethosia Cydippe.

Papilio (N. P.) Cydippe, *Linnæus*, "alis dentatis, nigris, albo maculatis, area communi rubra, subtus marmoratis: habitat in India." *Clerck, Icon.* pl. 36. fig. 1 (1764); *Donovan, Ins. Ind.* pl. 34. fig. 1 (1800).

Fabricius, Syst. Ent. p. 503. n. 253 (1775); *Sp. Ins.* p. 88. n. 388 (1781); *Mant. Ins.* p. 47. n. 468 (1787); *Ent. Syst.* iii. p. 112. n. 345 (1793).

Amboina. (Obtained 1859, collected by A. R. Wallace, Esq.) B.M.

4. Cethosia Chrysippe.

Papilio (N. P.) Chrysippe, *Fabricius*, "alis dentatis, nigris, area communi rufa; posticis subtus fuscis, atro maculatis: habitat in Nova Hollandia." *Donovan, Ins. New Holland*, pl. 24. fig. 1 (1805).

Fabricius, Syst. Ent. p. 502. n. 252 (1775); *Sp. Ins.* p. 88. n. 387 (1781); *Mant. Ins.* p. 47. n. 467 (1787); *Ent. Syst.* iii. p. 112. n. 344 (1793).

Mysol. (Obtained 1861, collected by A. R. Wallace, Esq.) B.M.

Genus 59. MINETRA, *Boisduval*,
Voy. de l'Astrolabe, p. 126 (1832).

1. Minetra Gambrisius.

Papilio (E. A.) Gambrisius, *Fabricius*, "alis dentatis, supra nigris viridi maculatis striatisque; anticis fascia maculari nivea: habitat in India orientali." *Donovan, Ins. China*, pl. 38 (1798).

Fabricius, Mant. Ins. p. 12. n. 113 (1787); *Ent. Syst.* iii. p. 85. n. 264 (1793).

Silhet, N. India. (Obtained 1845, from Mr. Stainsforth) B.M.

The type of *P. Gambrisius* is in the Banksian Collection. In his 'Entomologia Systematica' Fabricius quoted Cramer's *P. Sylvia* as identical with his species; the two insects, however, do not agree.

Genus 60. IAERA, *Hübner*,

Verz. bek. Schmett. p. 38 (1816).

1. Iaera Cœnobita.

Papilio (G.) Cœnobita, *Fabricius*, "alis dentatis, nigris; antici stria maculisque, posticis supra fascia alba, subtus albis; fasciis quatuor maculisque marginalibus fuscis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 35. fig. 3 (1800).

Fabricius, Ent. Syst. iii. p. 247. n. 769 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

2. Iaera Crithea.

Papilio (N. P.) Crithea, *Drury*, "alis dentatis, fuscis, maculis ocellaribus; posticis subtus cinereis, punctis duobus strigaque fuscis: habitat in Sierra Leon Africæ," *Fabr.*; "Africa, 6 deg. N. lat.," *Drury. Ill.* ii. pl. 16. figs. 5, 6 (1773).

Fabricius, Sp. Ins. p. 98. n. 429 (1781); *Mant. Ins.* p. 53. n. 522 (1787); *Ent. Syst.* iii. p. 132. n. 406 (1793).

Local form, Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The insect figured by Drury is larger and longer in the wing than the form from Sierra Leone; the latter is figured by Cramer (Pap. Exot. ii. pl. 138. figs. C, D).

Genus 61. CYSTINEURA, *Boisduval*,

Suit. Buff. i. pl. 5 B (1836).

1. Cystineura Dorcas.

Papilio (N. P.) Dorcas, *Fabricius*, "alis dentatis, albis, margine flavo; posticis subtus flavis, fasciis duabus albis: habitat in Carolina." P. Mardania, *Cramer, Pap. Exot.* iii. pl. 213. figs. F, G (1782).

Papilio (N. P.) Hersilia, *Fabricius*, "alis dentatis, albis, limbo fulvo; posticis subtus fulvis, fasciis duabus punctoque medio albis: habitat in India."

Fabricius, Syst. Ent. p. 508. n. 275 (1775); *Gen. Ins.* p. 265. n. 299, 300 (1776); *Sp. Ins.* pp. 97, 105, n. 424, 459 (1781); *Mant. Ins.* pp. 53, 57, n. 517, 561 (1787); *Ent. Syst.* iii. p. 247. n. 770 (1793).

Jamaica. (Obtained 1845, from Mr. Gosse) B.M.

Group 10A. Argynnides typicales.

Genus 62. ARASCHNIA, *Hübner*, *Verz. bek. Schmett.* p. 37 (1816).

1. Araschnia Levana.

Papilio (N. P.) Levana, *Linnæus*, "alis dentatis, variegatis, subtus reticulatis; anticis supra maculis aliquot albis."

Papilio (N. P.) Prorsa, *Linnæus*, "alis dentatis, fuscis, fascia utrinque alba, anticis interrupta, subtus albo reticulatis: habitat in *Urtica dioica*."

Fabricius, Syst. Ent. p. 515. n. 306, 307 (1775); *Sp. Ins.* pp. 107, 108, n. 470, 471 (1781); *Mant. Ins.* p. 61. n. 583, 584 (1787); *Ent. Syst.* iii. p. 256. n. 794, 795 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

There are four specimens of *P. Levana* in the Banksian Collection.

Genus 63. PHYCIODES, *Hübner*, *Verz. bek. Schmett.* p. 29 (1816).

1. Phyciodes Ianthe.

Papilio (N. G.) Ianthe, *Fabricius*, "alis dentatis, supra fuscis albo subfasciatis; posticis subtus ocellis quinque cæcis: habitat Cayennæ." P. Hera, *Cramer, Pap. Exot.* iii. pl. 253. figs. F, G (1782).

Fabricius, Sp. Ins. p. 80. n. 354 (1781); *Mant. Ins.* p. 43. n. 427 (1787); *Ent. Syst.* iii. p. 102. n. 315 (1793).

Venezuela. (Obtained 1847, from Mr. Dyson) B.M.

2. Phyciodes Liriope.

Papilio (D. F.) Morpheus, *Fabricius* [P. Liriope, *Cramer*], "alis integerrimis, fulvis, nigro maculatis; posticis utrinque striga punctorum nigrorum: habitat in America boreali."

Papilio (N.) Liriope, *Cramer*, "alis integerrimis, fulvis, limbo fusco, fulvo maculato; posticis flavescentibus, fulvo undatis: habitat in Guiana." *Pap. Exot.* i. pl. 1. figs. C, D (1775).

Fabricius, Syst. Ent. p. 530. n. 370 (1775).

Morphius (*sic*), *Fabricius, Sp. Ins.* p. 62. n. 278 (1781); *Mant. Ins.* p. 30. n. 321 (1787); *Ent. Syst.* iii. p. 155. n. 477, 479 (1793).

St. John's Bluff, E. Florida. (Presented by E. Doubleday, Esq.) B.M.

A common insect in open, weedy, and shrubby places near towns, flying in a sailing manner over low shrubs (see Mr. Bates in Journ. Entom. no. x. 1864).

This is the *Melitæa Tharos* of Doubleday's 'List:' it is labelled

"*P. Liriope*, Fabr.," in the Linnean Collection, upon the authority of Mr. Jones.

3. Phyciodes Ægon.

Papilio (P. R.) Ægon, *Fabricius*, "alis integerrimis, fuscis, fasciis plurimis macularibus fulvis." "Minutus, alæ omnes supra fuscæ fasciis plurimis inæqualibus macularibus fulvis; alæ posticæ subtus cinerascentes: habitat in Jamaica insula."

Fabricius, Sp. Ins. p. 130. n. 594 (1781); *Mant. Ins.* p. 83. n. 759 (1787); *Ent. Syst.* iii. p. 324. n. 231 (1793).

Jamaica. (Obtained 1844, from Mr. Gosse) B.M.

This is a local representative of Drury's *P. Pelops*, which we have from St. Domingo; Drury says that the type came from the island of St. Christopher. *P. Ægon* is figured in the unpublished 'Icones' of the late Mr. Jones, of Chelsea.

4. Phyciodes Thymetus.

Papilio (F.) Thymetus, *Fabricius*, "alis integerrimis flavis, limbo communi fusco: habitat . . . . ."

Fabricius, Mant. Ins. p. 30. n. 320 (1787); *Ent. Syst.* iii. p. 56. n. 173 (1793).

Pernambuco. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

This species is well figured by Mr. Jones in his unpublished 'Icones.'

Genus 64. MELITÆA, *Fabricius*, *Illiger's Magaz.* vi. p. 284 (1808).

1. Melitæa Dictynna.

Papilio (N. P.) Dictynna, *Esper*, "alis dentatis, nigris fulvo maculatis; posticis subtus fulvis; maculis baseos, fascia media maculari lunulisque apicis flavis: habitat in Russia." *Eur. Schmett.* i. pt. 1. pl. 48. fig. 2 (1777).

Fabricius, Mant. Ins. p. 59. n. 573 (1787); *Ent. Syst.* iii. p. 253. n. 785 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

2. Melitæa Didyma.

Papilio (N. P.) Didyma, *Esper*, "alis dentatis, fulvis (cinereis) nigro maculatis; posticis subtus flavis nigro punctatis, fasciis duabus fulvis continuis: habitat in Russia australiore."

Fabricius, Mant. Ins. p. 58. n. 569 (1787); *Ent. Syst.* iii. p. 252. n. 781 (1793).

Odessa. (Presented by Dr. Dowler) B.M.

Esper's figure is not characteristic, and may be intended to represent *M. Arduinna*: the above description by Fabricius affords additional evidence of that author's views respecting the colour which we term cinereous.

3. Melitæa Fascelis.

Papilio (N. P.) Fascelis, *Esper*, "alis dentatis, fusco fulvoque variis; posticis subtus albis nigro punctatis, fasciis duabus fulvis, posteriore lunulata: habitat in Russia australiore." *Eur. Schmett.* i. pt. 2. pl. 88. figs. 3, 4 (1777).

Fabricius, Mant. Ins. p. 58. n. 570 (1787); *Ent. Syst.* iii. p. 252. n. 782 (1793).

Russia. (Obtained from Herr J. J. Becker) B.M.

4. Melitæa Trivia.

Dwarfed form. Papilio (N. P.) Athulia, *Fabricius* [P. Phœbe, *Esper*], "alis repandis, fulvis nigro punctatis; posticis subtus albis nigro punctatis fasciisque duabus fulvis: habitat in Russia boreali." *Esper, Eur. Schmett.* i. pt. 2. pl. 88. figs. 5, 6 (1777).

Papilio (N. P.) Maturna, *Fabricius*, "alis dentatis fulvo nigroque variis; posticis subtus fasciis flavis, strigis undatis nigris, basi impunctatis: habitat in Europæ *Plantagine*."

Fabricius, Mant. Ins. pp. 59, 60, n. 571, 575 (1787); *Ent. Syst.* iii. pp. 252, 254, n. 783, 787 (1793).

Germany. (From the Collection of the Entomological Society of London) B.M.

This is not the *M. Maturna* of authors, but a small variety of *M. Trivia*; Esper's figure represents a deformity. In 'The Genera of Diurnal Lepidoptera' Hübner's figures on pl. 217 are quoted for two species (*M. Maturna* and *M. Iduna*).

5. Melitæa Cinxia.

Papilio (N. P.) Cinxia, *Linnæus*, "alis dentatis, fulvis nigro maculatis; posticis subtus fasciis tribus albidis, nigro maculatis: habitat in *Hieraceo Pilosella*."

♀. Papilio (N. P.) Delia, *Denis*, "alis dentatis, fulvo nigroque variis; posticis supra punctis quatuor ocellaribus, subtus albis; fasciis duabus fulvis, posteriore nigro punctata: habitat in Germaniæ australioris *Plantagine*." *Rösel, Ins.-Belust.* iv. pl. 18. fig. 4 (1761).

Fabricius, Syst. Ent. p. 514. n. 304 (1775); *Sp. Ins.* p. 106. n. 465 (1781); *Mant. Ins.* pp. 58, 60, n. 567, 576 (1787); *Ent. Syst.* iii. p. 250. n. 779 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

There is one specimen of *P. Cinxia* in the Banksian Collection.

6. Melitæa Phœbe.

Papilio (N. P.) Phœbe, *Denis*, "alis dentatis, nigro fulvoque variis; posticis subtus flavescentibus nigro undatis basi quadripunctatis, fasciis duabus fulvis, posteriore maculari: habitat in Europæ *Centaurea scabiosa*."

Fabricius, Mant. Ins. p. 58. n. 568 (1787); *Ent. Syst.* iii. p. 251. n. 780 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

7. Melitæa Arduinna.

Papilio (N. P.) Arduinna, *Esper*, "alis dentatis, fulvis nigro maculatis; posticis subtus albis, fasciis duabus fulvis, posteriore nigro punctata: habitat in Russia australiore." *Eur. Schmett.* i. pt. 2. pl. 87. fig. 4 (1777).

Fabricius, Mant. Ins. p. 60. n. 577 (1787); *Ent. Syst.* iii. p. 254. n. 788 (1793).

Russia. (Obtained 1850, from Herr J. J. Becker) B.M.

8. Melitæa Artemis.

Papilio (N. P.) Artemis, *Denis*, "alis dentatis, fulvis nigro variis; posticis utrinque striga punctorum nigrorum: habitat in Austriæ montosis."

Fabricius, Mant. Ins. p. 61. n. 379 (1787); *Ent. Syst.* iii. p. 255. n. 790 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

9. Melitæa Cynthia.

Papilio (N. P.) Cynthia, *Denis*, "alis dentatis, nigris fulvo flavoque fasciatis; posticis subtus fulvis flavo fasciatis: habitat in Austriæ *Populo*." *Esper, Eur. Schmett.* i. pt. 1. pl. 37. fig. 2*a* nec 3 (1777).

Fabricius, Mant. Ins. p. 59. n. 574 (1787); *Ent. Syst.* iii. p. 253. n. 786 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

This is the *M. Maturna* of Doubleday's 'List.'

10. Melitæa Phaëton.

Papilio (D. F.) Phaëton, *Drury*, "alis integerrimis, nigris albo rufoque maculatis: habitat in America." *Ill.* i. pl. 21. figs. 2, 3 (1770).

Fabricius, Syst. Ent. p. 481. n. 167 (1775); *Sp. Ins.* p. 54. n. 237 (1781); *Mant. Ins.* p. 26. n. 275 (1787); *Ent. Syst.* iii. p. 46. n. 140 (1793).

United States. (Obtained 1844, from Mr. Dyson) B.M.

Genus 65. ARGYNNIS, *Fabricius*,
Illiger's Magaz. vi. p. 283 (1808).

1. Argynnis Lathonia.

Papilio (N. P.) Lathonia, *Linnæus*, "alis dentatis, luteis nigro maculatis, subtus maculis 37 argenteis: habitat in Europa."

Fabricius, Syst. Ent. p. 517. n. 314 (1775); *Sp. Ins.* p. 110. n. 481 (1781); *Mant. Ins.* p. 63. n. 596 (1787); *Ent. Syst.* iii. p. 146. n. 449 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

This species is one of the most rapid upon the wing, and, until it is in the net, can scarcely be distinguished from *Vanessa C-album*; it frequents chiefly open country in the neighbourhood of woods, but may sometimes be seen in gardens.

There are two specimens of *P. Lathonia* in the Banksian Collection.

2. Argynnis Paphia.

Papilio (N. P.) Paphia, *Linnæus*, "alis dentatis, fulvis nigro maculatis, subtus lineis argenteis transversis: habitat in *Urtica*."

Fabricius, Syst. Ent. p. 515. n. 308 (1775); *Sp. Ins.* p. 108. n. 472 (1781); *Mant. Ins.* p. 62. n. 585 (1787); *Ent. Syst.* iii. p. 142. n. 438 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

There are two specimens of *P. Paphia* in the Banksian Collection. In his 'Mantissa,' Fabricius describes the black variety.

3. Argynnis Pandora.

Papilio (N. P.) Cynara, *Fabricius* [P. Pandora, *Denis*], "alis dentatis, fuscis atro flavoque variis; posticis subtus viridibus, maculis tribus fasciisque duabus argenteis: habitat in Oriente." P. Maja, *Cramer, Pap. Exot.* ii. pl. 25. figs. B, C (1775).

Fabricius, Gen. Ins. p. 266. n. 308, 309 (1776); *Sp. Ins.* p. 108. n. 473 (1781); *Mant. Ins.* p. 62. n. 586 (1787); *Ent. Syst.* iii. p. 143. n. 439 (1793).

Baghdad. (Presented 1856, by W. K. Loftus, Esq., collected during his mission on the Turko-Persian frontier, 1849–52) B.M.

This species is figured as *P. Pandora* by Esper, Schmett. ii. pl. 58. figs. 1, 2.

4. Argynnis Niphe.

Papilio (N. P.) Niphe, *Linnæus*, "alis dentatis, luteis; anticis apice nigris fascia albida; posticis subtus argentatis, ocellis quinque: habitat in China."

Fabricius, Syst. Ent. p. 514. n. 302 (1775); *Sp. Ins.* p. 105. n. 463 (1781); *Mant. Ins.* p. 57. n. 565 (1787); *Ent. Syst.* iii. p. 142. n. 436 (1793).

China. (Presented by E. Larkin, Esq.) B.M.

Tolerably abundant in some localities in the Himalayas, 6000 to 8000 feet (see Capt. Lang in P. Z. S. 1865).

There is one worn specimen of *P. Niphe* in the Banksian Collection in the British Museum.

5. **Argynnis Adippe.**

Papilio (N. P.) Adippe, *Linnæus*, "alis dentatis, fulvis nigro maculatis, subtus maculis 23 argenteis: habitat in Europa."

Fabricius, Syst. Ent. p. 517. n. 313 (1775).

"In Europæ pratis," *Fabricius, Sp. Ins.* p. 110. n. 481 (1781).

"In Europæ *Viola odorata* et *tricolori*," *Fabricius, Mant. Ins.* p. 63. n. 595 (1787); *Ent. Syst.* iii. p. 146. n. 448 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

There are two specimens of *P. Adippe* in the Banksian Collection.

6. **Argynnis Niobe** (an *A. Adippe* var.?).

Papilio (N. P.) Niobe, *Linnæus*, "alis dentatis, fulvis nigro maculatis, subtus maculis pallidis punctisque quatuor argenteis ocellatis: habitat in Europa."

Fabricius, Syst. Ent. p. 517. n. 316 (1775); *Sp. Ins.* p. 111. n. 483 (1781); *Mant. Ins.* p. 63. n. 599 (1787); *Ent. Syst.* iii. p. 147. n. 452 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

Specimens intermediate between *P. Niobe* and *P. Adippe* occur pretty commonly on the Continent; the two forms fly at the same time and in the same manner, and may be taken in pursuit of one another. The chief difference between them seems to lie in the presence or absence of silver spots; yet every grade between the two may be taken in a single day's collecting: surely they ought to be looked upon as one species. There is one specimen of *P. Niobe* in the Banksian Collection.

7. **Argynnis Aglaia.**

Papilio (N. P.) Aglaia, *Linnæus*, "alis dentatis, fulvis nigro maculatis, subtus maculis 21 argenteis: habitat in Europæ *Viola*."

Fabricius, Syst. Ent. p. 516. n. 310 (1775); *Sp. Ins.* p. 109. n. 475 (1781); *Mant. Ins.* p. 62. n. 589 (1787); *Ent. Syst.* iii. p. 144. n. 442 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

There is one specimen of *P. Aglaia* in the Banksian Collection.

8. **Argynnis Aphrodite.**

Papilio (N. P.) Aphrodite, *Fabricius*, "alis dentatis, fulvis nigro maculatis; posticis subtus fuscis, maculis 24 argenteis: habitat in America meridionali."

Fabricius, Mant. Ins. p. 62. n. 590 (1787); *Ent. Syst.* iii. p. 144. n. 443 (1793).

Nova Scotia. B.M.

"Open woods and uncut meadows" (Edwards, 'Butt. N. Am.').

In the 'Butterflies of North America,' a beautiful work which Mr. Edwards is bringing out, is a note, inserted on the authority of A. R. Grote Esq., to the effect that *P. Aphrodite* and *P. Cybele* are not separated in any of the collections in Europe; it is but fair to state that, as regards the British-Museum collection, this statement is incorrect, the two species having in that collection been for some years kept separate*. Both sexes are admirably figured in the above work, *Argynnis*, pl. 3. figs. 1–4 (1868).

9. Argynnis Cybele.

Papilio (N. P.) Cybele, *Fabricius*, "alis dentatis, fulvis nigro maculatis, subtus maculis 34 argenteis: habitat in America." P. Daphnis, *Cramer, Pap. Exot.* i. 2. pl. 57. figs. E, F (1779).

Fabricius, Syst. Ent. p. 516. n. 311 (1775); *Sp. Ins.* p. 109. n. 477 (1781); *Mant. Ins.* p. 62. n. 592 (1787); *Ent. Syst.* iii. p. 145. n. 445 (1793).

New York. (Presented by E. Doubleday, Esq.) B.M.

This species, according to Mr. Edwards, frequents gardens and clover-fields; it is figured in his 'Butterflies of North America,' *Argynnis*, pl. 2. figs. 1–4 (1868).

The type specimen of *P. Cybele* is in the Banksian Collection in the British Museum, though not referred to by Fabricius.

10. Argynnis Diana.

Papilio (N. P.) Diana, *Cramer*, "alis dentatis, fulvis, disco communi nigro; posticis subtus maculis novem argenteis: habitat in Virginia." *Pap. Exot.* t. pl. 98. figs. D, E (1779).

Fabricius, Sp. Ins. p. 110. n. 479 (1781); *Mant. Ins.* p. 63. n. 594 (1787); *Ent. Syst.* iii. p. 145. n. 447 (1793).

♂, North Carolina; two specimens. (Presented by E. Doubleday, Esq.) B.M.

Mr. Edwards gives some most interesting notes upon this splendid *Argynnis* in his 'Butterflies of North America.' It affects the ironweed near woods upon narrow bottoms or river-slopes: both sexes are well figured, *Argynnis*, pl. 1 (1868). It is quite possible, as Mr. Edwards suggests, that the so-called "*Vanessa Pluto*" may be the ancestor of *P. Diana*, though in the narrower banding of its wings, with but one row of submarginal spots, it more nearly resembles some of the East-Indian forms of *Junonia Hedonia*: the two genera to which these species belong agree in many respects, and are perhaps nearly allied.

11. Argynnis Idalia.

Papilio (N. P.) Idalia, *Drury*, "alis dentatis, fulvis nigro macu-

* See Doubleday in 'List Lep. Brit. Mus.' p. 69.

latis, subtus maculis 37 argenteis; posticis supra cæruleis albo punctatis: habitat in America boreali."

Fabricius, Syst. Ent. p. 516. n. 312 (1775); *Sp. Ins.* p. 109. n. 478 (1781); *Mant. Ins.* p. 63. n. 593 (1787); *Ent. Syst.* iii. p. 145. n. 446 (1793).

♂ ♀, New York. (Presented by Major-General T. Hardwicke) B.M.

There are two specimens of *P. Idalia* in the Banksian Collection.

12. **Argynnis Daphne.**

Papilio (N. P.) Daphne, *Denis*, "alis dentatis, fulvis nigro maculatis; posticis subtus flavis rufo venosis, apice ferrugineo argentatis: habitat in *Rubo idæo* Austriæ."

Fabricius, Mant. Ins. p. 64. n. 602 (1787); *Ent. Syst.* iii. p. 257. n. 798 (1793).

Austria. (Obtained 1854) B.M.

13. **Argynnis Hecate.**

Papilio (N. P.) Hecate, *Denis*, "alis dentatis, fulvis nigro maculatis, omnibus apice strigis duabus punctorum nigrorum: habitat in Austria."

Fabricius, Mant. Ins. p. 60. n. 578 (1787); *Ent. Syst.* iii. p. 254. n. 789 (1793).

Austria. (Obtained 1854) B.M.

14. **Argynnis Euphrosyne.**

Papilio (N. P.) Euphrosyne, *Linnæus*, "alis dentatis, fulvis nigro maculatis, subtus maculis 9 argenteis: habitat in Europa, America septentrionali."

Fabricius, Syst. Ent. p. 517. n. 315 (1775); *Sp. Ins.* p. 111. n. 482 (1781); *Mant. Ins.* p. 63. n. 597 (1787).

P. Euphrosyne, *Fabricius, Ent. Syst.* iii. p. 147. n. 450 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

Frequents open clearings on the outskirts of woods; but may occasionally be seen on hill-slopes in woody districts.

There are two specimens of *P. Euphrosyne* in the Banksian Collection in the British Museum.

15. **Argynnis Selene.**

Papilio (N.) Selene, *Denis*, "alis dentatis, fulvis nigro maculatis, subtus posticis maculis argenteis 12 punctoque distincto baseos strigaque postica atris: habitat Kiliæ."

Fabricius, Ent. Syst. iii. p. 147. n. 451 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

Frequents woods; it appears nearly a month later than *P. Euphrosyne* in England.

16. **Argynnis Myrina.**

Papilio (N. P.) Myrina, *Cramer*, "alis dentatis, fulvis nigro maculatis, subtus maculis 30 argenteis: habitat in America boreali." *Pap. Exot.* ii. pl. 189. figs. B, C (1781).

Fabricius, Sp. Ins. p. 109. n. 476 (1781); *Mant. Ins.* p. 62. n. 59 (1787); *Ent. Syst.* iii. p. 145. n. 444 (1793).

Nova Scotia. (Obtained from Mr. Redman) B.M.

This species is closely allied to the European *A. Selene.*

17. **Argynnis Pales.**

Papilio (N. P.) Pales, *Denis*, "alis subintegris, fulvis, basi maculisque nigris; posticis subtus brunneis flavo argenteoque variis: habitat in Austria." P. Arsilache, *Esper, Eur. Schmett.* i. pt. 2. pl. 56. figs. 4, 5 (1777).

Fabricius, Mant. Ins. p. 63. n. 598 (1787); *Ent. Syst.* iii. p. 257. n. 798 (1793).

Germany. (Obtained 1847, from Herr J. J. Becker) B.M.

18. **Argynnis Laodice.**

Papilio (N. P.) Laodice, *Pallas*, "alis dentatis, fulvis nigro maculatis; posticis subtus apice fuscis glauco nitentibus, fascia argentea interrupta terminante: habitat in Borussia, Muscovia." *Schneider, Handbuch für Schmett.* p. 175. n. 96, pl. 1. figs. 1, 2 (1786).

Fabricius, Mant. Ins. p. 62. n. 587 (1787).

P. Cethosia, *Fabricius, Ent. Syst.* p. 143. n. 440 (1793).

Russia. (Obtained 1850, from Herr J. J. Becker) B.M.

19. **Agynnis Amathusia.**

Papilio (N. P.) Amathusia, *Esper*, "alis dentatis, fulvis, maculis strigaque punctata nigris; posticis subtus variegatis, basi puncto, apice striga punctorum: habitat in Russia." *Eur. Schmett.* i. pt. 1. pl. 88. figs. 1, 2 (1777).

Fabricius, Mant. Ins. p. 61. n. 580 (1787); *Ent. Syst.* iii. p. 255. n. 791 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

20. **Argynnis Bellona.**

Papilio (N. P.) Bellona, *Fabricius*, "alis dentatis, fulvis nigro maculatis; posticis subtus apice argenteis, maculis ocellaribus fulvis sex: habitat in America boreali."

Fabricius, Syst. Ent. p. 517. n. 317 (1775).

Philadelphia. (Presented 1846, by E. Doubleday, Esq.) B.M.

The type specimen of *P. Bellona* is in the Banksian Collection; specimens from Vancouver's Island agree best with Donovan's figure in the Hope Collection at Oxford.

21. **Argynnis Dia.**

Papilio (N. P.) Dia, *Linnæus*, "alis fulvis nigro maculatis; posticis fasciis tribus virescentibus, fimbria punctata: habitat in *Plantagine*."

Fabricius, Syst. Ent. p. 514. n. 305 (1775); *Sp. Ins.* p. 107. n. 468 (1781); *Mant. Ins.* p. 61. n. 581 (1787); *Ent. Syst.* iii. p. 255. n. 792 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

Occurs on hill-slopes in mountainous districts.

P. Dia is represented by a specimen of *Melitæa Artemis* in the Banksian Collection in the British Museum.

Genus 66. CRENIS, *Boisduval*,

Fauna Ent. de Madag. p. 48 (1833).

1. **Crenis Amulia.**

Papilio (N.) Amalia (*sic*), *Fabricius* [P. Amulia, *Cramer*], "alis dentatis, supra fuscis, subtus flavis; posticis strigis duabus punctisque cæruleis nigro notatis: habitat in Sierra Leon Africæ." *Donovan, Nat. Rep.* ii. pl. 40. fig. 2 (1824).

Fabricius, Ent. Syst. iii. 2. p. 129. n. 398 (1793).

Not in the British-Museum collection.

Both surfaces of this species are figured in the 'Proceedings of the Zoological Society,' pl. 17. figs. 3, 4 (1868).

Genus 67. EUNICA, *Hübner*,

Verz. bek. Schmett. p. 61 (1816).

1. **Eunica Maja.**

Papilio (N. P.) Maja, *Fabricius*, "alis dentatis, fuscis; anticis apice albo-maculatis; posticis subtus cinereis, punctis quatuor virescentibus: habitat in Brasilia."

Fabricius, Syst. Ent. p. 512. n. 295 (1775).

Brazil. (Presented by Major-General T. Hardwicke) B.M.

The type and a second specimen of *P. Maja* are in the Banksian Collection.

Genus 68. SYNCHLOË, *Hübner*,

Verz. bek. Schmett. p. 94 (1816).

1. **Synchloë Narva.**

Papilio (S.) Narva, *Fabricius*, "alis dentatis, atris, striga postica punctorum alborum; anticis maculis, posticis disco flavis: habitat in

Africa." S. Bonplandi, *Hewitson in Gen. Diurn. Lepid.* p. 186. n. 7, pl. 24. fig. 3 (1848).

Fabricius, Ent. Syst. p. 249. n. 775 (1793).

Venezuela. (Obtained 1847, from Mr. Dyson) B.M.

S. Narva was originally referred, in the 'Genera of Diurnal Lepidoptera,' to the genus *Romaleosoma*: the description shows it at once to be a *Synchloë*; and Mr. Kirby has called my attention to a note in the 'Corrections to the Genera,' p. 532. n. 186, referring it to that genus.

2. Synchloë Hyperia.

Papilio (N.) Hyperia, *Fabricius*, "alis dentatis, nigris albo maculatis; posticis subtus maculis flavis. fasciaque media rufa: habitat in Indiis."

Fabricius, Ent. Syst. iii. 1. p. 119. n. 366 (1793).

Not in the British-Museum collection.

P. Hyperia seems to come close to *P. Hippodroma*, of which it may be one of the varieties.

Genus 69. ATELLA, *E. Doubleday*,

Gen. Diurn. Lepid. p. 165 (1848).

1. Atella Phalantha.

Papilio (N. P.) Phalantha, *Drury*, "alis dentatis, fulvis nigro maculatis; posticis subtus apice glaucis, punctis ocellaribus fulvis tribus: habitat in India orientali." *Ill.* i. pl. 21. figs. 1, 2 (1770).

Fabricius, Syst. Ent. p. 518. n. 318 (1775).

P. Phalanta (*sic*), *Fabricius, Sp. Ins.* p. 111. n. 485 (1781); *Mant. Ins.* p. 64. n. 603 (1787); *Ent. Syst.* iii. p. 149. n. 455 (1793).

Ceylon. (Presented 1852, by R. Templeton, Esq., collected by Mrs. Templeton) B.M.

Capt. Lang describes this species as being tolerably abundant in the Himalayas, up to 8000 feet elevation (P. Z. S. 1865).

There are two specimens of *I. Phalantha* in the Banksian Collection; the *P. Phalanta* (sic) of the 'Mantissa' is the *P. Columbina* of Cramer.

2. Atella Columbina.

Papilio (N.) Columbina, *Fabricius* [nec *Cramer*], "alis dentatis, fulvis nigro maculatis; posticis subtus strigis duabus argenteis: habitat in America." A. Eurytis, *Doubleday and Hewitson, in Gen. Diurn. Lepid.* pl. 22. fig. 3 (1848).

Var.? Papilio (S.) Pandora, *Fabricius*, "alis dentatis, fulvis nigro maculatis; posticis subtus coccineis immaculatis: habitat . . ."

Fabricius, Ent. Syst. iii. 1. pp. 148, 257, n. 453, 796 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The *P. Columbina* of Cramer is only a slight variety of *P. Phalantha*; *P. Pandora* seems to be a variety of *P. Columbina*, Fabr.

Genus 70. MESSARAS, *E. Doubleday*,
Gen. Diurn. Lepid. p. 163 (1848).

1. Messaras Erymanthis.

Papilio (N. P.) Erymanthis, *Drury*, "alis dentatis, fulvis; anticis apice nigris, fascia flava; posticis supra lunulis, subtus striga punctorum ocellatorum: habitat in China." *Ill.* i. pl. 15. figs. 3, 4 (1770); *Donovan, Ins. China*, pl. 37. fig. 2 (1798).

Fabricius, Mant. Ins. p. 56. n. 553 (1787); *Ent. Syst.* iii. p. 139. n. 427 (1793).

Borneo. (Obtained 1856, sent by Capt. Brooke) B.M.

According to Mr. Swinhoe *M. Erymanthis* is a solitary species and frequents flowers (P. Z. S. 1866).

The Fabrician type is in the Banksian Collection in the British Museum.

2. Messaras Prosope.

Papilio (N. P.) Prosope, *Fabricius*, "alis dentatis, fuscis; fascia communi fulva, anticarum punctis duobus nigris: habitat in Nova Hollandia." *Donovan, Ins. New Holland*, pl. 27. fig. 2 (1805).

Fabricius, Syst. Ent. p. 504. n. 260 (1775); *Sp. Ins.* p. 91. n. 400 (1781).

P. Grosope (*sic*), *Fabricius, Mant. Ins.* p. 49. n. 483 (1783); *Ent. Syst.* iii. p. 120. n. 367 (1793).

Rockingham Bay, Australia. (Obtained 1850, from the voyage of H.M.S. 'Rattlesnake,' collected by Mr. Macgillivray) B.M.

The type specimen of *P. Prosope* is in the Banksian Collection.

3. Messaras Lampetia.

Papilio (N. G.) Lampetia, *Linnæus*, "alis dentatis, fuscis; anticis fascia fulva; posticis ocellis sex cæcis: habitat in India orientali." *Clerck, Icon.* pl. 39. fig. 2 (1764).

Fabricius, Mant. Ins. p. 36. n. 378 (1787); *Ent. Syst.* iii. p. 93. n. 290 (1793).

Amboina. (Obtained 1859, collected by A. R. Wallace, Esq.) B.M.

Genus 71. HYPANIS, *Boisduval*,
Fauna Ent. de Madag. p. 55 (1833).

1. Hypanis Ilithyia.

Papilio (N. P.) Ilithuia (*sic*), *Fabricius* [P. Ilithyia, *Drury*], "alis dentatis, fulvis nigro fasciatis; posticis subtus fasciis albis nigro maculatis: habitat in India orientali." *Ill.* ii. pl. 17. figs. 1, 2 (1773).

Fabricius, Sp. Ins. p. 97. n. 426 (1781); *Mant. Ins.* p. 53. n. 519 (1787); *Ent. Syst.* iii. p. 131. n. 403 (1793).

Cape of Good Hope. (Obtained 1842, from Herr Drege) B.M.

According to Dr. Boisduval, haunts woods and fields of manioc (see 'Faune Ent. de Madag.').

This species is distinct from Cramer's *P. Ilithya* (sic), the Ceylon form of which stands in the Banksian Collection (hence perhaps the Fabrician locality); it has hitherto stood in many collections as *P. Polinice*, Cramer, Drury's figure not being properly identified.

Genus 72. EUPTOIETA, *E. Doubleday*, *Gen. Diurn. Lepid.* p. 168 (1848).

1. Euptoieta Hegesia.

Papilio (N. P.) Bellona (part.), *Fabricius* [P. Hegesia, *Cramer*], "alis dentatis, fulvis atro maculatis; posticis subtus flavis, striga punctorum fulvorum ocellatorum: habitat in America boreali." *Pap. Exot.* iii. pl. 209. fig. E (1781?).

Fabricius, Sp. Ins. p. 111. n. 484 (1781); *Mant. Ins.* p. 64. n. 600 (1787); *Ent. Syst.* iii. p. 148. n. 454 (1793).

P. Hegesia, *Fabricius, Ent. Syst.* suppl. p. 425. n. 454, 455 (1798).

Jamaica. (Obtained 1845, from Mr. Gosse) B.M.

According to Mr. Bates (Journ. Entom. no. x. 1864), abundant in open grassy tracts of country (or campos), flying slowly and settling on flowering leguminous shrubs and other plants, never seen in the forests.

Genus 73. CYNTHIA, *Fabricius*, *Illiger's Magaz.* vi. p. 281 (1808).

1. Cynthia Arsinoë.

♂. Papilio (N. G.) Arsinoë, *Cramer*, "alis caudato-dentatis, fulvis nigro maculatis; posticis ocellis utrinque duobus: habitat in Amboina." *Pap. Exot.* ii. pl. 160. figs. B, C (1779).

Fabricius, Sp. Ins. p. 78. n. 345 (1781); *Mant Ins.* p. 39. n. 406 (1787); *Ent. Syst.* iii. p. 74. n. 233 (1793).

Dorey, New Guinea. (Obtained 1859, collected by A. R. Wallace, Esq.) B.M.

2. Cynthia Erota.

♀. Papilio (N.) Erota, *Fabricius*, "alis subcaudatis, fuscis nigro undatis fasciaque communi media alba; posticis utrinque ocellis duobus: habitat in Africa."

Fabricius, Ent. Syst. iii. p. 76. n. 237 (1793).

♂ ♀, Silhet. (Obtained 1845, from Mr. Sowerby) B.M.

C. Erota is the North-Indian representative of *C. Arsinoë*: the type specimen and a male labelled *P. Arsinoë* are in the Banksian Collection.

3. Cynthia Juliana.

Papilio (N. G.) Juliana, *Cramer*, "alis dentatis, fuscis albo maculatis; posticis utrinque ocellis duobus: habitat in Amboina." *Pap. Exot.* iii. pl. 280. figs. A, B (1782).

Fabricius, *Sp. Ins.* app. p. 503 (1782?); *Mant. Ins.* p. 46. n. 453 (1787); *Ent. Syst.* iii. p. 108. n. 332 (1793).

Sumatra. (Obtained 1864) B.M.

Genus 74. CIRROCHROA, *E. Doubleday*.

Gen. Diurn. Lepid. p. 157 (1848).

1. Cirrochroa Thais.

Papilio (N. P.) Thais, *Fabricius*, "alis dentatis, fulvis; statura omnino *P. Phalanthæ*; alæ omnes fulvæ purpureo colore nitentes, margine nigro-strigoso punctisque ante marginem nigris; subtus omnes glaucæ, posticis fascia media argentea postice obliterata, pone fasciam striga punctorum albidorum: habitat in America meridionali."

Fabricius, *Mant. Ins.* p. 64. n. 601 (1787); *Ent. Syst.* iii. p. 149. n. 456 (1793).

♂, Ceylon (presented 1852, by R. Templeton, Esq., collected by Mrs. Templeton); ♀ ?, N. India (presented 1845, by W. Wilson Saunders, Esq.) [more probably S. India]. B.M.

The above description will hardly agree with the *C. Thais* of Dr. Horsfield; the latter species has the silver band obscured anteriorly, not posteriorly; the Ceylonese species, however, agrees with the description, and has moreover a greater resemblance to the *P. Phalantha* of Drury. *Euptoieta Hegesia* seems to be the *P. Thais* of Jones's 'Icones;' but this cannot be the Fabrician species.

Genus 75. LACHNOPTERA, *E. Doubleday*,

Gen. Diurn. Lepid. p. 161 (1848).

1. Lachnoptera Laodice.

Papilio (N. G.) Iole, *Fabricius* [P. Laodice, *Cramer*], "alis dentatis, fulvis nigro punctatis; posticis subtus ocellis quinque, ultimo bipupillato: habitat in Guinea." *Pap. Exot.* ii. pl. 157. figs. E, F (1779).

Fabricius, *Sp. Ins.* p. 78. n. 348 (1781); *Mant. Ins.* p. 42. n. 420 (1787); *Ent. Syst.* iii. p. 99. n. 307 (1793).

♂, Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

In the British-Museum collection there is a white form of the female which mimics *Harma Althea*, from the Gaboon: the types of *Iole* (both sexes, agreeing in the fulvous ground-colour of the wings) are in the Banksian Collection.

Genus 76. TERINOS, *Boisduval*,

Suit. Buff. i. pl. 5 B (1836).

1. Terinos Atlita. Pl. I. fig. 3.

♂. Papilio (N. G.) Atlita, *Fabricius*, "alis dentatis, fuscis cæruleo micantibus; subtus fulvis, strigis undatis glaucis, posticis ocellis quinque cæcis: habitat in India orientali."

Fabricius, Mant. Ins. p. 3~~0~~ n. 3~~7~~ (1787); *Ent. Syst.* iii. p. 97. n. 300 (1793).

Sumatra. (Obtained 1854, formerly belonged to Sir Stamford Raffles) B.M.

This species is allied to *T. Teuthras*, Hewitson, but differs above in having three bisected ferruginous lunules, in place of the white lunules of *T. Teuthras*, near the anal margin of the posterior wings.

Genus 77. AGRAULIS, *Boisduval*,

Suit. Buff. i. pl. 6 B (1836).

1. Agraulis Juno.

Papilio (N. P.) Juno, *Cramer*, "alis angulato-dentatis, oblongis, fulvis, limbo atro; posticis subtus atris, maculis fulvis argenteisque: habitat Surinami." *Pap. Exot.* iii. pl. 215. figs. B, C (1781 ?).

Fabricius, Sp. Ins. p. 112. n. 487 (1781); *Mant. Ins.* p. 64. n. 605 (1787); *Ent. Syst.* iii. p. 61. n. 190 (1793).

Brazil. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

See Bates, 'Journ. Entom.' no. x. 1864, p. 187. n. 4.
There is one specimen of *P. Juno* in the Banksian Collection.

2. Agraulis Vanillæ.

Papilio (N. P.) Vanillæ, *Linnæus*, "alis dentatis, fulvis nigro maculatis, subtus maculis 30 argenteis: habitat in *Epidendro Vanilla* Americæ." *Clerck, Icon.* pl. 40. fig. 2.

Fabricius, Syst. Ent. p. 518. n. 319 (1775); *Sp. Ins.* p. 111. n. 486 (1781); *Mant. Ins.* p. 64. n. 604 (1787).

P. Passifloræ, *Fabricius, Ent. Syst.* iii. 1. p. 60. n. 189 (1793).

St. John's Bluff, E. Florida. (Presented by E. Doubleday, Esq.) B.M.

This species has the widest range of all the members of the *Colænis* and *Agraulis* groups (see Bates in 'Journ. Entom.' no. x. 1864).

There are two worn specimens of *P. Vanillæ* in the Banksian Collection in the British Museum.

Genus 78. COLÆNIS, *Hübner*,

Verz. bek. Schmett. p. 31 (1816).

1. Colænis Delila.

Papilio (N. P.) Delila, *Fabricius*, "alis dentatis, oblongis, fulvis; anticis lunula nigra: habitat in America."

Fabricius, Syst. Ent. p. 510. n. 283 (1775); *Sp. Ins.* p. 100. n. 439 (1781); *Mant. Ins.* p. 54. n. 534 (1787); *Ent. Syst.* iii. p. 57. n. 176 (1793).

Jamaica. (Obtained 1845, from Mr. Gosse) B.M.

A variety of this species is figured by Cramer (Pap. Exot. iii. pl. 215. figs. D, E).

2. Colænis Julia.

Papilio (N. P.) Julia, *Fabricius*, "alæ anticæ oblongæ, subfalcatæ, fulvæ, strigis duabus apicis nigris, exteriore obsoletiore; margo posticus nigricat et apex tenuissime albicat: alæ posticæ dentatæ, fulvæ, margine postico nigro, in quo tamen strigæ duæ tenuissimæ fulvæ: subtus omnes cinerascentes, posticis macula baseos sanguinea et litura alba ad angulum ani." P. Alcionea, *Cramer, Pap. Exot.* iii. pl. 215. figs. A, F, G (1782).

Fabricius, Syst. Ent. p. 509. n. 281 (1775); *Sp. Ins.* p. 99. n. 435 (1781); *Mant. Ins.* p. 54. n. 529 (1787); *Ent. Syst.* iii. p. 180. n. 558 (1793).

Rio Janeiro. B.M.

This species is very common, and, according to Mr. Bates, ranges over nearly the whole of Tropical America (Journ. Entom. no. x. 1864).

There is one specimen of *P. Julia* in the Banksian Collection.

3. Colænis Phærusa.

Papilio (N. P.) Phærusa, *Linnæus*, "alis dentatis, fulvis, fasciis tribus fuscis, anticarum longitudinalibus, posticarum transversis: habitat in Indiis. P. Phœtusa (*sic*), *Cramer, Pap. Exot.* ii. pl. 130. figs. B, C (1779).

Fabricius, Syst. Ent. p. 509. n. 280 (1775); *Sp. Ins.* p. 98. no. 433 (1781); *Mant. Ins.* p. 54. n. 527 (1787); *Ent. Syst.* iii. p. 134. n. 413 (1793).

Oaxaca, Mexico. (Obtained 1858, collected by M. Sallé) B.M.

A common and generally distributed species, found in company with *P. Dido* (see Bates in 'Journ. Entom.' no. x. 1864).

There are two specimens of *P. Phærusa* in the Banksian Collection.

4. Colænis Dido.

Papilio (N. P.) Dido, *Linnæus*, "alis dentatis, oblongis, nigris viridi maculatis; posticis fascia maculisque septem transversis: habitat in America." *Cramer, Pap. Exot.* iii. pl. 196. figs. E, F (1781?).

Fabricius, Syst. Ent. p. 510. n. 285 (1775); *Sp. Ins.* p. 100. n. 440 (1781); *Mant. Ins.* p. 54. n. 535 (1787); *Ent. Syst.* p. 57. n. 177 (1793).

Pará, Lower Amazons. (Presented by Mrs. J. P. G. Smith) B.M.

Frequents all semicultivated places near settlements (see Bates, Journ. Entom. no. x. 1864).

Genus 79. ERESIA, *Boisduval*,
Suit. Buff. i. pl. 7 B (1836).

1. Eresia Nauplia.

Papilio (N. P.) Nauplia, *Linnæus*, "alis subdentatis, fuscis; anticis maculis quatuor, posticis fascia, albidis: habitat in India." *Clerck, Icon.* pl. 46. fig. 1 (1764).

Fabricius, Syst. Ent. p. 512. n. 193 (1775); *Mant. Ins.* p. 52. n. 515 (1787); *Ent. Syst.* iii. p. 130. n. 400 (1793).

Honduras. (Obtained from Mr. Miller) B.M.

According to Mr. Bates (Journ. Entom. no. x. 1864), a very common insect in thinned parts of the forest, flying low, over bushes and shrubs.

Subfamily VI. *HELICONINÆ*, Bates,
Journ. Entom. no. x. p. 176 (1864).

Genus 1. EUEIDES, *Hübner*,
Verz. bek. Schmett. p. 11 (1816).

1. Eueides Thales.

Papilio (H.) Thales, *Cramer*, "alis oblongis, integris, subconcoloribus atris, basi rubro radiatis; anticis flavo maculatis: habitat Surinami." *Pap. Exot.* i. pl. 38. figs. C, D (1776).

Fabricius, Gen. Ins. p. 255. n. 81, 82 (1776); *Sp. Ins.* p. 30. n. 122 (1781); *Mant. Ins.* p. 14. n. 141 (1787); *Ent. Syst.* iii. p. 168. n. 521 (1793).

Demerara. B.M.

2. Eueides Lybia.

Papilio (H.) Lybia, *Linnæus*, "alis oblongis, integerrimis, fulvis;

anticis strigis tribus, posticis fascia marginali, fuscis: habitat in India." P. Hypsipyle, *Pap. Exot.* ii. pl. 177. figs. C, D (1779).

Fabricius, Syst. Ent. p. 460. n. 73 (1775); *Sp. Ins.* p. 28. n. 111 (1781); *Mant. Ins.* p. 14. n. 129 (1787); *Ent. Syst.* p. 163. n. 502 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

3. Eueides Olympia.

Papilio (H.) Olympia, *Fabricius*, "alis oblongis, integris, atris; anticis macula oblonga baseos fulva apicisque alba; posticis basi fulvis: habitat in America."

Fabricius, Ent. Syst. iii. p. 166. n. 514 (1793).

Not in the collection of the British Museum.

This is identical with the *E. Leucomma* of Bates in Mr. Hewitson's Collection.

In the 'Genera of Diurnal Lepidoptera,' p. 133, *P. Olympia* is placed amongst the Heliconidæ of doubtful location. It appears, however, from the unpublished drawings of Messrs. Jones and Donovan, to be a species of *Eueides*.

Genus 2. HELICONIUS, *Fabricius*, *Ent. Syst.* pref. *b*. 2. (1793).

1. Heliconius Sappho.

Papilio (H.) Sappho, *Fabricius* [P. Sapho (*sic*), *Drury*], "alis oblongis, integerrimis, concoloribus atro-cæruleis; anticis fascia, posticis margine, albis: habitat in Jamaica." *Ill.* iii. pl. 38. fig. 4 (1782).

Fabricius, Ent. Syst. iii. p. 165. n. 511 (1793).

Jamaica. (From Mr. Lee's Collection) B.M.

This species is well figured in the unpublished 'Icones' of Mr. Jones.

2. Heliconius Pasithoë.

Papilio (H.) Hecale, *Fabricius* [P. Pasithoë, *Cramer*], "alis oblongis, integerrimis, nigris; anticis fascia, posticis subtus punctis marginalibus albis: habitat Surinami." *Pap. Exot.* i. pl. 17. figs. A, B (1775).

Fabricius, Gen. Ins. p. 254. n. 80, 81 (1776); *Sp. Ins.* p. 29. n. 119 (1781); *Mant. Ins.* p. 14. n. 138 (1787); *Ent. Syst.* iii. p. 167. n. 516 (1793).

Demerara. B.M.

3. Heliconius Antiochus.

Papilio (H.) Antiocha, *Fabricius* [P. Antiochus, *Linnæus*], "alis

oblongis, integerrimis, nigris; anticis fasciis duabus albis: habitat in Indiis." *Cramer, Pap. Exot.* i. pl. 32. figs. E, F (1775).

Fabricius, Syst. Ent. p. 464. n. 92 (1775); *Sp. Ins.* p. 32. n. 132 (1781); *Mant. Ins.* p. 16. n. 156 (1787); *Ent. Syst.* iii. p. 173. n. 538 (1793).

Venezuela. (Obtained 1846, from Mr. Dyson) B.M.

Linnæus and Fabricius both refer to a figure by Ehret, which, however, is a good representation of Cramer's *P. Clytia*, and has therefore nothing to do with *P. Antiochus*. Linnæus also remarks, "Figura Ehretii æque bene ac *P. Ricini* exprimit," which perhaps is the cause of an error respecting *P. Ricini* in the 'Species Insectorum.'

4. Heliconius Aranea.

Papilio (H.) Aranea, *Fabricius*, "alis oblongis, atris; anticis stria baseos fasciisque duabus flavis; posticis subtus fascia sanguinea: habitat ....."

Fabricius, Ent. Syst. p. 168. n. 519 (1793).

Brazil. (From Mr. Milne's Collection) B.M.

P. Aranea is figured in Jones's unpublished 'Icones.'

5. Heliconius Sara.

Papilio (H.) Sara, *Fabricius*, "alis repandis, atris, basi cæruleis; anticis fasciis duabus flavis, posticis subtus sanguineo punctatis: habitat in Guiana."

Fabricius, Ent. Syst. iii. p. 167. n. 518 (1793).

Demerara. B.M.

Allied to *P. Rhea*, but not identical with it.

6. Heliconius Rhea.

Papilio (H.) Ricini, *Fabricius*, nec *Linnæus* [P. Rhea, *Cramer*], "alis oblongis, integerrimis, fuscis; anticis utrinque fasciis duabus flavis; posticis basi radiatis: habitat in Americæ *Ricino*." *Pap. Exot.* i. pl. 54. figs. C, D (1776?)

Fabricius, Sp. Ins. p. 29. n. 120 (1781).

Demerara. B.M.

7. Heliconius Doris.

Papilio (H.) Doris, *Linnæus*, "alis oblongis, integerrimis, atris; anticis flavo maculatis; posticis supra basi cæruleis: habitat Surinami." *Var.* P. Quirina, *Cramer, Pap. Exot.* i. pl. 65. figs. A, B (1779).

Var. Papilio (H.) Erato, *Linnæus*, "alis oblongis, integerrimis,

atris; anticis flavo maculatis, basi rubris; posticis rubro striatis: habitat in Indiis." *Clerck, Icon.* pl. 40. fig. 1 (1864).

Fabricius, Syst. Ent. pp. 461, 465, n. 80, 98 (1775); **Sp. Ins.* pp. 29, 34, n. 116, 146 (1781); *Mant. Ins.* p. 17. n. 168 (1787); *Ent. Syst.* iii. p. 166. n. 513 (1793).

P. Doris, Surinam (from Mr. Lee's collection); var. *P. Erato*, Venezuela (obtained 1846, from Mr. Dyson). B.M.

See Bates in Trans. Ent. Soc. May 1867, p. 537.

There is one specimen of *P. Doris* in the Banksian Collection in the British Museum.

8. Heliconius Vesta.

Papilio (H.) Erato (part.), *Fabricius* [P. Vesta, *Cramer*], *Pap. Exot.* ii. pl. 119. fig. A (1779).

Fabricius, Ent. Syst. iii. p. 179. n. 557 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

9. Heliconius Erythrea.

Papilio (H.) Erythrea, *Cramer*, "alis oblongis, atris; anticis rubro fasciatis, posticis striatis: habitat Surinami." *Pap. Exot.* ii. pl. 189. fig. A (1779).

Fabricius, Sp. Ins. p. 34. n. 145 (1781).

P. Erithrea (*sic*), *Fabricius, Mant. Ins.* p. 17. n. 167 (1787); *Ent. Syst.* iii. p. 179. n. 556 (1793).

——? (Presented by Dowager Lady East) B.M.

10. Heliconius Phyllis.

Papilio (H.) Phyllis, *Fabricius*, "alis oblongis, integerrimis, atris; anticis fascia rubra, posticis flava: habitat in Brasilia." P. Roxana, *Cramer, Pap. Exot.* i. pl. 45. figs. E, F (1776?).

Fabricius, Syst. Ent. p. 463. n. 86 (1775); *Sp. Ins.* p. 31. n. 128 (1781); *Mant. Ins.* p. 15. n. 149 (1787); *Ent. Syst.* iii. p. 171. n. 530 (1793).

Rio Janeiro. (Obtained 1850, from the voyage of H.M.S. 'Rattlesnake,' collected by Mr. Macgillivray) B.M.

The type, a good deal worn, is in the Banksian Collection.

11. Heliconius Melpomene.

Papilio (H.) Melpomene, *Linnæus*, "alis oblongis, integerrimis, nigris; anticis fascia rubra; posticis basi subtus punctis sanguineis: habitat in America." *Cramer, Pap. Exot.* pl. 191. fig. C (1779).

Fabricius, Syst. Ent. p. 462. n. 35 (1775); *Sp. Ins.* p. 31. n. 127 (1781); *Mant. Ins.* p. 15. n. 148 (1787); *Ent. Syst.* p. 171. n. 529 (1793).

* = *P. Quirina*, Cramer, var., Pap. Exot. iv. pl. 337. f. C, = *P. Doris*, 'Mant. Ins.'

Demerara. B.M.

There are two specimens of *P. Melpomene* in the Banksian Collection. The nearly allied species *H. Vulcanus*, Butler, is admirably figured, without a name, in Jones's unpublished 'Icones,' vol. ii. pl. 6.

12. Heliconius Charitonia.

Papilio (H.) Charitonia, *Linnæus*, "alis oblongis, integerrimis, atris concoloribus; anticis fasciis flavis tribus, posticis duabus: habitat in America." *Cramer, Pap. Exot.* ii. pl. 191. fig. F (1779).

Fabricius, Syst. Ent. p. 462. n. 84 (1775); *Sp. Ins.* p. 30. n. 126 (1781); *Mant. Ins.* p. 15. n. 147 (1787); *Ent. Syst.* iii. p. 170. n. 528 (1793).

Jamaica. (Obtained from Mr. Lee's Collection) B.M.

There is one mutilated specimen of *P. Charitonia* in the Banksian Collection in the British Museum.

13. Heliconius Ricini.

Papilio (H.) Ricini, *Linnæus*, "alis oblongis, integerrimis, fuscis; anticis utrinque fasciis duabus flavis*: habitat in *Ricino* Americes." *Merian, Ins. Surinam*, pl. 30; *Cramer, Pap. Exot.* iv. pl. 378. figs. A, B (1782).

Papilio (H.) Myrti, *Fabricius*, "alis oblongis, integerrimis, atris; anticis fasciis duabus flavis; posticis disco rufo: habitat Surinami."

Fabricius, Syst. Ent. pp. 461, 462, n. 81, 82 (1775); *Sp. Ins.* p. 30. n. 123 (1781); *Mant. Ins.* pp. 14, 15, n. 139, 142 (1787); *Ent. Syst.* iii. pp. 167, 169, n. 517, 522 (1793).

Pará, Lower Amazons. (Presented by Mrs. J. P. G. Smith) B.M.

The true *P. Ricini* is figured in Jones's unpublished 'Icones;' he also figures a species allied to *P. Rhea* under the same name.

In the Banksian Collection an example of *P. Clytia* is labelled "*P. Ricini*, Linn.;" this was probably the *P. Ricini* of Fabricius. In the 'Species Insectorum' the *P. Erycinia*† of Cramer (*Pierinæ*) is quoted as *P. Myrti*; it is evident, however, that the latter is identical with the Linnæan species. Fabricius quotes Cramer's *P. Rhea* for the latter.

14. Heliconius Clara.

Papilio (H.) Clara, *Fabricius*, "alis oblongis, repandis, nigris flavo maculatis, basi communi testacea: habitat Surinami."

Fabricius, Ent. Syst. iii. p. 161. n. 499 (1793).

Brazil. (From Mr. Milne's Collection) B.M.

P. Clara is quite distinct from Cramer's *P. Sylvana*; it is figured in the unpublished 'Icones' of Mr. Jones.

* Fabricius adds "posticis basi radiatis."

† Mr. Doubleday sunk Cramer's *P. Erycinia* as a synonym of *P. Bellona*; it seems, however, to come nearer to *H. Eurytele* of Hewitson. *P. Myrti* is also placed with *P. Bellona*.

Genus 3. TITHOREA, *E. Doubleday*,
Gen. Diurn. Lepid. p. 99 (1847).

1. **Tithorea Harmonia.**

Papilio (H.) Mopsa, *Fabricius*, nec *Linnæus* [P. Harmonia, *Cramer*], "alis oblongis, concoloribus fulvis, apice nigris albo punctatis: habitat in India orientali." *Pap. Exot.* ii. pl. 190. fig. D (1779).

Fabricius, Sp. Ins. p. 27. n. 110 (1781); *Mant. Ins.* p. 13. n. 127 (1787); *Ent. Syst.* iii. p. 160. n. 495 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

This species is figured in 'the Genera of Diurnal Lepidoptera' as *T. Megara*, var., Godart.

2. **Tithorea Irene.**

Papilio (H.) Irene, *Drury*, "alis oblongis; anticis nigris flavo maculatis, linea baseos fulva; posticis fulvis, margine nigro: habitat in Vera Cruz Americæ." *Ill.* iii. pl. 38. fig. 1 (1782).

Fabricius, Ent. Syst. iii. p. 165. n. 510 (1793).

Jamaica. (From Mr. Lee's Collection) B.M.

Genus 4. MELINÆA, *Hübner*,
Verz. bek. Schmett. p. 11 (1816).

1. **Melinæa Egena.**

Papilio (H.) Egena, *Cramer*, "alis oblongis, integerrimis; anticis fulvis fascia flava, apice nigris flavo maculatis; utrinque striga punctorum alborum: habitat in America." *Pap. Exot.* ii. pl. 191. fig. D (1779).

Fabricius, Ent. Syst. iii. p. 162. n. 500 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

There is one specimen of this species, labelled "*P. Egena*, Fabr.," on the authority of Mr. Jones, in the Linnæan Collection.

2. **Melinæa Mneme.**

Papilio (H.) Mneme, *Linnæus*, "alis oblongis, integerrimis, nigris, basi fulvis; primoribus fascia maculisque tribus flavis: habitat in India orientali." *Sulzer, Hist. Ins.* pl. 15. figs. 3, 4 (1776).

Fabricius, Sp. Ins. p. 27. n. 110 (1781); *Mant. Ins.* p. 13. n. 128 (1787); *Ent. Syst.* iii. p. 160. n. 496 (1793).

——?* B.M.

* From "Demerara?" according to Mr. Doubleday's List. It does not, however, agree with specimens from that locality.

There are two specimens of the variety *P. Mneme*, Cramer (Pap. Exot. 190) in the Banksian Collection. *M. Mœlus*, Hewits., seems to be the Upper-Amazons form of the species.

Genus 5. MECHANITIS, *Fabricius*,
Illiger's Magaz. vi. p. 284 (1808).

1. **Mechanitis Polymnia.**

Papilio (H.) Polymnia, *Linnæus*, "alis oblongis, integerrimis; anticis maculis apiceque nigris, fascia flava; posticis fasciis tribus nigris, media serrata: habitat in America meridionali." *Petiver, Gazoph.* pl. 12. fig. 8.

Var. Papilio (H.) Mopsa, *Linnæus*, "alis oblongis, concoloribus fulvis, apice nigris albo punctatis: habitat in India orientali."

Fabricius, Syst. Ent. pp. 164, 460, n. 508, 572 (1775); *Sp. Ins.* p. 28. n. 115 (1781); *Mant. Ins.* p. 14. n. 134 (1787); *Ent. Syst.* p. 164. n. 508 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

Two specimens of *Lycorea pasinuntia*, Cramer, labelled "*P. Polyhymnia*" (sic), and an example of *Tithorea Megara*, labelled "*P. Mopsa*," represent this species in the Banksian Collection. Fabricius also refers (Ent. Syst.) to Cramer's figure of *P. Harmonia*.

2. **Mechanitis Lysimnia.**

Papilio (H.) Lysimnia, *Fabricius*, "alis oblongis, integerrimis, fulvis, fascia flava, apice nigris; anticis macula alba: habitat . . . ." *Donovan, Nat. Rep.* iv. pl. 120. fig. 1, nec 2 (1826).

Fabricius, Ent. Syst. p. 161. n. 498 (1793).

Rio Janeiro. (Obtained 1850, from the voyage of H.M.S. 'Rattlesnake,' collected by Macgillivray) B.M.

Genus 6. SAIS, *Hübner*,
Verz. bek. Schmett. p. 10 (1816).

1. **Sais Rosalia.**

Papilio (H.) Rosalia, *Cramer*, "alis oblongis, integerrimis, concoloribus fulvis; anticis macula flava; posticis strigis duabus nigris: habitat Surinami." *Pap. Exot.* iii. pl. 246. fig. E (1782).

Fabricius, Sp. Ins. app. p. 503 (1782); *Mant. Ins.* p. 15. n. 152 (1787); *Ent. Syst.* iii. p. 172. n. 533 (1793).

Demerara. (From Mr. Bower's Collection) B.M.

Genus 7. CALLITHOMIA, *Bates*.

1. **Callithomia Lycaste.**

Papilio (H.) Lycaste, *Fabricius*, "alis oblongis, integerrimis, fulvis,

2. Thyridia Psidii.

Papilio (H.) Psidii, *Linnæus*, "alis oblongis, integerrimis, fuscis; anticis fasciis tribus, posticis duabus, hyalinis: habitat in India." *Cramer, Pap. Exot.* iii. pl. 257. fig. F (1782).

Fabricius, Syst. Ent. p. 462. n. 83 (1775); *Sp. Ins.* p. 30. n. 124 (1781); *Mant. Ins.* p. 15. n. 144 (1787); *Ent. Syst.* iii. p. 169. n. 525 (1793).

Guiana. (Obtained from Mr. Lee's collection) B.M.

There is one specimen of *P. Psidii* in the Banksian Collection in the British Museum.

Genus 11. HAMADRYAS, *Boisduval*,
Voy. de l'Astrolabe, Ent. p. 91 (1832).

1. Hamadryas Zoilus.

Papilio (D. F.) Zoilus, *Fabricius*, "alis integerrimis, atris; anticis maculis tribus, posticis disco, albis: habitat in Nova Hollandia."

Fabricius, Syst. Ent. p. 480. n. 163 (1775); *Sp. Ins.* p. 53. n. 229 (1781); *Mant. Ins.* p. 25. n. 265 (1787); *Ent. Syst.* iii. p. 42. n. 128 (1793).

Barnard Isle, Australia. (Obtained 1850, from the voyage of H.M.S. 'Rattlesnake,' collected by Mr. Macgillivray) B.M.

The type of *P. Zoilus* is in the Banksian Collection in the British Museum.

Subfamily VII. *ACRÆINÆ*, Bates,
Journ. Entom. no. x. p. 176 (1864).

Genus 1. ACTINOTE, *Hübner*,
Verz. bek. Schmett. p. 27 (1816).

1. Actinote Thalia.

Papilio (H.) Thalia, *Linnæus*, alis oblongis, integerrimis, fuscis; anticis flavo maculatis, posticis striatis: habitat in Indiis." *Clerck, Icon.* pl. 43. fig. 2 (1764).

Fabricius, Syst. Ent. p. 463. n. 88 (1775); *Sp. Ins.* p. 31. n. 130 (1781).

Peru. (Obtained 1867) B.M.

Cramer's *P. Thalia* (Pap. Exot. iii. pl. 246. fig. A) is a slight variety of the form *P. Pyrrha* of Fabricius.

Race. Papilio (P. H.) Pyrrha, *Fabricius*, "alis oblongis, integerrimis, concoloribus fuscis flavo maculatis; posticis disco ferrugineo, nigro striato: habitat in Brasilia."

Fabricius, Syst. Ent. p. 464. n. 95 (1775); *Sp. Ins.* p. 33. n. 139 (1781).

Var. P. Thalia, *Fabricius, Mant. Ins.* pp. 15, 16, n. 151, 160 (1787); *Ent. Syst.* pp. 171, 176, n. 532, 547 (1793).

Brazil. (Presented by Sir Charles Stewart) B.M.

The type of *P. Pyrrha* is in the Banksian Collection in the British Museum; it chiefly differs from the normal *P. Thalia* in being fulvous and ferruginous instead of white, and in having no anal spots on the upper surface of the anterior wings.

Genus 2. PLANEMA, *E. Doubleday*, *Gen. Diurn. Lepid.* p. 140 (1848).

1. Planema Gea.

♂. Papilio (H.) Gea, *Fabricius*, "alis oblongis, integerrimis, nigris; anticis maculis duabus; posticis disco fulvo, nigro striato; subtus basi nigro punctatis*—interdum basi omni alarum nigro punctatis: habitat in Africa æquinoctiali."

Fabricius, Sp. Ins. p. 32. n. 136 (1781); *Mant. Ins.* p. 16. n. 158 (1787).

♂ ♀, Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The supposed variety mentioned by Fabricius, and standing with his type in the Banksian Collection in the British Museum, and again with a specimen of *P. Gea*, named by Mr. Jones in the Linnean Collection, is *Pseudacræa Eurytа* ♂ of Linnæus, both sexes of which mimic this *Planema*; the *P. Timandra* of Mr. Doubleday's list is the female of *P. Gea*.

2. Planema Eurytа.

♀. Papilio (H.) Eurytа (part.), *Cramer* [nec *Linnæus*], "alis oblongis, integerrimis, concoloribus fuscis, fascia alba; posticis striatis, basi nigro punctatis." *Pap. Exot.* iii. pl. 233. fig. B [nec A nec C], (1782).

♂. Papilio (H.) Macaria, *Fabricius*, "alis integris, fuscis; anticis basi atris fasciaque lata media rufa; posticis basi nigro punctatis: habitat . . . . ." A. Eurita (part.), *Hewits. Ex. Butt.* Acræa, iv. fig. 25 (1867).

♀, *Fabricius, Mant. Ins.* p. 16. n. 153 (1787).

♂ ♀, *Fabricius, Ent. Syst.* iii. pp. 172, 174, n. 534, 540 (1793).

♂ ♀, Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

Cramer's figure A is the *P. Umbra* of Drury (Ill. iii. pl. 18. figs. 1, 2, 1782); fig. C, which Fabricius also quotes, is a species of *Thyca* (*Pierinæ*). The *P. Macaria* of Fabricius is distinct from that of

* "Subtus basi nigro striatis" in Mant. Ins.

recent authors, and is well-figured in Jones's 'Icones;' the latter must therefore stand as *P. Macaria*, Godart nec Fabricius.

3. Planema Umbra.

Papilio (H.) Umbra, *Drury*, "alis oblongis, integerrimis, fuscis, basi testaceis; posticis nigro punctatis: habitat . . . . ." *Ill.* iii. pl. 18. fig. 1, 2 (1782).

Fabricius, Ent. Syst. iii. p. 172. n. 535 (1793).

Sierra Leone. (From Mr. Milne's Collection) B.M.

In Donovan's list of the sale of Drury's Collection, Mr. Milne is mentioned as the purchaser of many "*Heliconii*;" we obtained *P. Umbra* (agreeing in almost every particular with Drury's figure) from the collection of Mr. Milne; the specimen is registered as from Sierra Leone, which is the locality mentioned in Drury's description; so that there is some evidence that our specimen is the type of the species. The absence of black spots in the typical figure is in all probability an oversight of the colourer; in Jones's figure they are not omitted.

4. Planema Jodutta.

♀. Papilio (H.) Jodutta, *Fabricius*, "alis oblongis, integris, nigris; anticis maculis duabus albis; posticis disco albo, nigro striato; subtus basi nigro punctatis: habitat . . . . ." *Var.* A. Carmentis, *Doubleday & Hewitson, Gen. Diurn. Lepid.* pl. 19. fig. 1.

Fabricius, Ent. Syst. iii. p. 175. n. 544 (1793).

Ashanti. (Obtained 1844) B.M.

A. Carmentis only differs from *P. Jodutta* in having the two white patches on the anterior wings connected by a small subhastate spot; the male of *P. Jodutta* seems to be the *P. Macarina* of Butler (the Ashanti form of *A. Alciope*, Hewitson). *P. Jodutta* is well figured in Jones's unpublished 'Icones.'

Genus 3. TELCHINIA, *Doubleday*, *Gen. Diurn. Lepid.* p. 141 (1848).

1. Telchinia Serena.

♂. Papilio (H.) Serena, *Fabricius*, "alæ omnes fulvæ, anticæ apice; posticæ punctis numerosissimis nigris sparsis ad basin: habitat in India."

♀. Papilio (F.) Cyntheus, *Drury*, "alis integerrimis, nigris testaceo venosis; fascia alba anticarum interrupta: habitat in Africa." *Ill.* iii. pl. 37 (1782).

Var. Papilio (H.) Bonasia, *Fabricius*, "alis oblongis, integerrimis, fuscis, fascia communi fulva; posticis basi nigro punctata: habitat in Sierra Leon Africæ." *Jones's 'Icones' ined.*

Papilio (H.) Serena (part.), *Fabricius* [P. Eponina, *Cramer*], "alis oblongis, integerrimis, fulvis; posticis subtus basi nigro punctata." *Pap. Exot.* iii. pl. 268. figs. A, B (1782).

♂, *Fabricius, Syst. Ent.* pp. 461, 464, n. 76, 96 (1775); *Sp. Ins.* pp. 28, 34, n. 114, 143 (1781).

Var. *Fabricius, Mant. Ins.* pp. 14, 16, n. 133, 164 (1787).

♂ ♀, *Fabricius, Ent. Syst.* iii. pp. 43, 164, 177, n. 129, 507, 551 (1793).

Sierra Leone. (♂ Collected 1858, by Mr. James Foxcroft; ♀ type ?, from Mr. Milne's Collection) B.M.

In his 'Mantissa Insectorum' Fabricius quotes Cramer's *P. Eponina* as his *P. Serena*; in his original description, however, he says that the margin of the hind wings is spotted with fulvous; and in the British-Museum collection we have specimens from Sierra Leone and Congo answering to this description. The latter are the true males of Drury's *P. Cyntheus*, and were inadvertently entered in Mr. Doubleday's list as the *A. Cynthia* of Godart; whilst the *P. Liberia* of Cramer (Pap. Exot. pl. 268. figs. C, D) represented the *A. Serena* of Godart, the species being possibly determined from specimens wrongly labelled "*P. Serena*, Fabr." in the Linnean Collection. The *P. Bonasia* of Fabricius (a variety of *P. Serena*) is identical with Cramer's *P. Eponina*, as evidenced by the type in the Banksian Collection. We have received *P. Serena*, *P. Cyntheus*, and *P. Bonasia* in one collection from Sierra Leone.

2. Telchinia Cæcilia.

Papilio (H.) Cæcilia, *Fabricius*, "alis oblongis, medio albis, nigro punctatis; posticis margine nigro, subtus albo punctato: habitat in Africa æquinoctiali."

Var. Papilio (H.) Hypatia, *Drury*, "alis oblongis, integerrimis, fulvis nigro punctatis, margine nigro, immaculato: habitat in Africa." *Ill.* iii. pl. 13. fig. 1 (1782).

Fabricius, Sp. Ins. p. 34. n. 142 (1781); *Mant. Ins.* p. 16. n. 163 (1787); *Ent. Syst.* iii. pp. 163, 177, n. 504, 551 (1793).

P. Cæcilia, Africa. (From Mr. Milne's Collection) B.M.

P. Hypatia, Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

The type of *P. Cæcilia* is quoted as in the Banksian Collection in the British Museum; there are, however, only two specimens of Drury's insect, labelled "*P. Hypatia*," in that collection; an example agreeing with the Fabrician description, obtained from Mr. Milne, seems more likely to be the type of the species, and agrees exactly with the unpublished figure in Jones's 'Icones.'

3. Telchinia Violæ.

♀. Papilio (H.) Violæ, *Fabricius*, "alis oblongis, integerrimis,

fulvis, nigro punctatis; posticis margine nigro punctis albis: habitat in *Vindis, Bengalæ* Indiæ orientalis." P. Cepia, *Cramer, Pap. Exot.* iv. pl. 298. figs. D, E (1782).

Fabricius, Syst. Ent. p. 469. n. 74 (1775); *Sp. Ins.* p. 28. n. 112 (1781); *Mant. Ins.* p. 14. n. 131 (1787); *Ent. Syst.* iii. p. 164. n. 505 (1793).

Ceylon. (Obtained 1845, from the Rev. J. Wenham) B.M.

There are specimens of *P. Vida* in the Banksian Collection in the British Museum; it is figured by Sulzer (pl. 15. fig. 2: 1776) as the *P. Cepheus* of Linnæus.

Genus 4. PAREBA, *E. Doubleday*, *Gen. Diurn. Lepid.* p. 142 (1848).

1. Pareba Vesta.

♀. Papilio (H.) Vesta, *Fabricius* (P. Terpsichore *(sic)*, *Cramer*, nec *Linnæus*), "alis oblongis, integerrimis, flavescentibus, margine nigro, albo punctato: habitat in China." *Pap. Exot.* iv. pl. 298. figs. A–C (1782); *Donovan, Ins. China*, pl. 30. fig. 1 (1798).

Fabricius, Mant. Ins. p. 14. n. 130 (1787); *Ent. Syst.* iii. p. 163. n. 503 (1793).

Java. (Presented by the Hon. East-India Company) B.M.

The name *P. Terpsichore*, having been given to this species in mistake, cannot stand, more especially since the *P. Terpsicore* (sic) Linnæus, comes into the same subfamily, and is the species intended by Cramer.

Genus 5. ACRÆA, *Fabricius*, *Illiger's Mag.* vi. p. 284 (1808).

1. Acræa Camæna.

Papilio (H.) Camæna, *Drury*, "alis subintegris, fuscis, nigro punctatis; posticis fascia rubra*: habitat in Africa." *Ill.* ii. pl. 7. fig. 2 (1773).

Papilio (H.) Murcia, *Fabricius*, "alis oblongis, integerrimis; anticis fuscis immaculatis; posticis flavescentibus nigro punctatis: habitat in Africa æquinoctiali."

Fabricius, Syst. Ent. p. 464. n. 93 (1775); *Sp. Ins.* pp. 32, 33, n. 135, 141 (1781); *Mant. Ins.* p. 16. n. 157, 162 (1787).

P. (H.) Marcia *(sic)*, *Fabricius, Ent. Syst.* iii. pp. 173, 177, n. 539, 549 (1793).

Cape Coast. (From Mr. Milne's Collection) B.M.

The specimen of *P. Camæna* in the British Museum seems to be

* Should be "fascia fulva."

the type; it agrees in all respects with the figure, and was probably purchased with other *Acræinæ* from Drury's Collection. The type of *P. Murcia* is in the Banksian Collection in the British Museum.

2. Acræa Lycia.

Papilio (H.) Lycia, *Fabricius*, "alis integerrimis, concoloribus, fuscis albo maculatis; posticis disco albo punctis nigris: habitat in Sierra Leon Africæ."

Fabricius, Syst. Ent. p. 464. n. 94 (1775); *Sp. Ins.* p. 33. n. 138 (1781); *Mant. Ins.* p. 16. n. 159 (1787); *Ent. Syst.* iii. p. 176. n. 546 (1793).

Sierra Leone. (Collected by Mr. J. Foxcroft) B.M.

The type of *P. Lycia* is in the Banksian Collection in the British Museum.

3. Acræa Quirina.

Papilio (P.) Quirina, *Fabricius*, "alis rotundatis, integerrimis, hyalinis; posticis disco fulvo, nigro punctato: habitat in India, Madras." P. Dice, *Drury, Ill.* iii. pl. 18. figs. 3, 4 (1782).

Fabricius, Sp. Ins. p. 36. n. 152 (1781); *Mant. Ins.* p. 17. n. 174 (1787); *Ent. Syst.* iii. p. 159. n. 492 (1793).

Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

The type of *P. Quirina* is in the Banksian Collection in the British Museum.

4. Acræa Horta.

Papilio (P.) Horta, *Linnæus*, "alis oblongis, integerrimis, rubris; anticis apice hyalinis; posticis subtus albidis, nigro punctatis: habitat in Africa." *Sulzer, Hist. Ins.* pl. 15. fig. 1; *Cramer, Pap. Exot.* iv. pl. 298. figs. F, G (1782).

Papilio (H.) Terpsicore, *Linnæus*, "alis oblongis, integerrimis, flavis; posticis saturatioribus, maculis nigris sparsis: habitat in Asia." *Petiver, Gazoph.* i. pl. 40. fig. 4 (1764).

Fabricius, Syst. Ent. pp. 459, 460, n. 69, 75 (1775).

P. Terpsichore (*sic*), *Fabricius, Sp. Ins.* pp. 28, 36, n. 113, 151 (1781); *Mant. Ins.* pp. 14, 17, n. 132, 173 (1793); *Ent. Syst.* iii. pp. 159, 164, n. 491, 506 (1793).

Cape Colony. (Obtained 1840, from Dr. Krauss) B.M.

There are two specimens of *P. Horta* in the Banksian Collection.

The figure of *P. Terpsicore* in Petiver represents *P. Horta*; but the description in the 'Museum Ludovicæ Ulricæ,' p. 222. n. 41, is applicable to *A. Rahira* ♀ of Dr. Boisduval; the latter also represents *P. Terpsicore* in the Banksian Cabinet, and is described by Fabricius.

5. Acræa Andromacha.

Papilio (H.) Andromacha, *Fabricius*, "alis rotundatis, integerrimis, concoloribus, nigro punctatis; anticis denudatis, posticis flavescentibus: habitat in Nova Hollandia."

Fabricius, Syst. Ent. p. 466. n. 102 (1775); *Sp. Ins.* p. 36 n. 150 (1781); *Mant. Ins.* p. 17. n. 172 (1787); *Ent. Syst.* iii. p. 182. n. 564 (1793).

New Holland. (Presented 1844, by the Haslar Hospital, collected by — Bynce, Esq., Surgeon, R.N.) B.M.

The type of *P. Andromacha* is in the Banksian Collection in the British Museum.

Genus 6. GNESIA, *E. Doubleday*, *Gen. Diurn. Lepid.* p. 141 (1848).

1. Gnesia Egina.

Papilio (H.) Zetes, *Fabricius*, nec *Linnæus* [P. Egina, *Cramer*], "alis oblongis, fuscis, nigro punctatis; posticis fascia fulva nigro punctata, subtus margine pallido punctato: habitat in Guinea." *Pap. Exot.* i. pl. 39. fig. G (1776).

♀. Papilio (H.) Persephone, *Fabricius*, "alis integris, fuscis, nigro punctatis; anticis macula alba; posticis margine nigro immaculato: habitat in Guinea."

Fabricius, Ent. Syst. iii. p. 174. n. 541, 542 (1793).

Ashanti. (Obtained 1844) B.M.

A female of this species in the British-Museum collection agrees well with Jones's unpublished figure, copied by Donovan, in the Hope Collection of drawings at Oxford.

Var. Papilio (H.) Pasiphaë, *Fabricius* [P. Medea, *Cramer*], "alis oblongis, integerrimis, fuscis albo variis, maculis margineque atris: habitat in Guinea." *Pap. Exot.* i. pl. 81. figs. C, D (1779).

Fabricius, Sp. Ins. p. 33. n. 140 (1781); *Mant. Ins.* p. 16. n. 161 (1787); *Ent. Syst.* iii. p. 176. n. 548 (1793).

This remarkable insect is doubtless an aberration of Cramer's *P. Egina*, although in the 'Genera of Diurnal Lepidoptera' Mr. Doubleday has regarded it as a distinct species.

2. Gnesia Parrhasia.

♀. Papilio (H.) Parrhasia, *Fabricius*, "alis oblongis, integerrimis, atris; anticis macula quadrifida fulva hyalinaque; posticis fascia fulva; subtus flavis, punctis lineisque nigris: habitat in Indiis."

Fabricius, Ent. Syst. iii. p. 175. n. 745 (1793).

West Africa. (From Mr. Milne's Collection) B.M.

The specimen of *P. Parrhasia* mentioned above is possibly the type from Drury's Collection; Mr. Doubleday considered it to be the female of Drury's *P. Circeis*; we, however, have both sexes of the latter spocies not differing in colour.

3. Gnesia Circeis.

Papilio (P.) Mandane, *Fabricius* [Circeis, *Drury*], "alis oblongis, integerrimis; anticis hyalinis nigro venosis; posticis atris, fascia alba: habitat in Africa." *Ill.* iii. pl. 18. figs. 5, 6 (1782).

Fabricius, Ent. Syst. iii. p. 183. n. 565 (1793).

Sierra Leone. (From Mr. Milne's Collection) B.M.

The above specimen agrees with Drury's figure, and is very likely his type.

Family II. ERYCINIDÆ, *Westwood,*

Gen. Diurn. Lepid. p. 415 (1851).

Subfamily I. *LIBYTHEINÆ,* Bates,

Journ. Entom. no. x. p. 176 (1864).

Genus 1. LIBYTHEA, *Fabricius,*

Illiger's Magaz. vi. p. 284 (1808).

1. Libythea Celtis.

Papilio (N. P.) Celtis, *Esper,* "alis angulato-dentatis, fuscis, maculis fulvis unicaque alba; posticis subtus griseis: habitat in *Celta australi* Europæ australioris." *Eur. Schmett.* i. pt. 2. pl. 87. figs. 2, 3 (1777).

Fabricius, Mant. Ins. p. 56. n. 556 (1787); *Ent. Syst.* iii. p. 140. n. 430 (1793).

South Europe. (Obtained 1841, from Herr J. J. Becker) B.M.

2. Libythea Carinenta.

Papilio (N. P.) Carinenta, *Cramer,* "alis falcatis, fuscis, flavo maculatis; anticis apice atris, maculis quatuor albis: habitat Surinami." *Pap. Exot.* ii. pl. 108. figs. E, F (1779).

Fabricius, Sp. Ins. p. 104. n. 455 (1781); *Mant. Ins.* p. 56. n. 554 (1787); *Ent. Syst.* iii. p. 139. n. 428 (1793).

Venezuela. (Obtained 1846, from Mr. Dyson) B.M.

Subfamily II. *NEMEOBIINÆ*, Bates,
Journ. Linn. Soc. ix. p. 412 (1868).

Genus 1. NEMEOBIUS, *Stephens*,
Ill. Haust. i. p. 28 (1828).

1. Nemeobius Lucina.

Papilio (N. P.) Lucina, *Linnæus*, "alis dentatis, fuscis, testaceo maculatis, subtus fasciis duabus macularum albidarum: habitat in Europæ graminibus."

Fabricius, Syst. Ent. p. 514. n. 303 (1775); *Sp. Ins.* p. 106. n. 464 (1781); *Mant. Ins.* p. 58. n. 566 (1787); *Ent. Syst.* iii. p. 250. n. 778 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

There is part of a specimen of *P. Lucina* in the Banksian Collection in the British Museum.

Genus 2. ZEMEROS, *Boisduval*,
Suit. Buff. i. pl. 5 c (1836).

1. Zemeros Flegyas.

Papilio (N. P.) Allica, *Fabricius* [Flegyas, *Cramer*], "alis dentatis, subconcoloribus obscure fulvis, punctis nigris numerosis albo fœtis: habitat in Siam." *Pap. Exot.* iii. pl. 280. figs. E, F (1782); *Donovan, Ins. Ind.* pl. 37. fig. 2 (1800).

Fabricius, Mant. Ins. p. 52. n. 510 (1787); *Ent. Syst.* iii. p. 244. n. 761 (1793).

Moulmein, East Indies. (Obtained 1843, from Archdeacon Clerk) B.M.

The type of *P. Allica* is in the Banksian Collection in the British Museum.

Genus 3. ABISARA, *Felder*,
Wien. ent. Monatschr. December 1860.

1. Abisara Gerontes.

Papilio (P. R.) Gerontes, *Fabricius*, "alis caudatis, nigris, macula communi transversa alba; anticis ocello, posticis geminato: habitat in Africa æquinoctiali." P. Baucis, *Drury, Ill.* iii. pl. 12. figs. 3, 4 (1782).

Fabricius, Sp. Ins. p. 117. n. 524 (1781); *Mant. Ins.* p. 68. n. 647 (1787); *Ent. Syst.* iii. p. 275. n. 64 (1793).

The type of *P. Gerontes* is in the Banksian Collection in the British Museum, and, excepting in the broad white central band, is very like *Sospita Tantalus* of Hewitson.

2. Abisara Haquinus.

♂. Papilio (F.) Haquinus, *Fabricius*, "alis subintegris, fuscis, subtus aurantiis, maculis cærulescenti-argenteis nigro notatis: habitat Tranquebariæ." Emesis Drupadi, *Horsfield, Cat. Lep. E. I. Comp.* pl. 2. figs. 3, 3*a–g* (1828–29).

Fabricius, Ent. Syst. iii. p. 55. n. 169 (1793).

Java. (Presented 1851, by Dr. Horsfield) B.M.

3. Abisara Echerius.

Papilio (F.) Odin, *Fabricius* [P. Echerius, *Stoll*], "alis integerrimis, uniangulatis, obscuris; posticis subtus utrinque pari punctorum atrorum subocellatorum: habitat in China." *Pap. Exot.* pl. 31. figs. 1, 1*a* (1791).

Papilio (H. R.) Coriolanus, *Fabricius*, "alis dentatis, caudatis, obscure cinereis, striga communi ferruginea: habitat in Indiis."

Fabricius, Ent. Syst. iii. pp. 56, 284, n. 175, 191 (1793).

Borneo (obtained 1867, collected by Mr. Lowe); Moulmein, East Indies (obtained 1843, from Archdeacon Clerk). B.M.

In the 'Genera of Diurnal Lepidoptera' *P. Coriolanus* is referred, with a query, to the genus *Thecla* (*Lycænidæ*); it is well figured by Mr. Jones in his unpublished 'Icones.'

Genus 4. EURYBIA, *Illiger*,
Wiedem. Archiv, 1. ii. p. 100 (1818).

1? Eurybia Salome.

Papilio (D. F.) Nicæus, *Fabricius* [P. Salome, *Cramer*], "alis integerrimis, fuscis; posticis supra fascia rubra marginali, punctis quinque nigris: habitat in India." *Pap. Exot.* i. pl. 12. figs. G, H (1775).

Fabricius, Syst. Ent. p. 482. n. 175 (1775); *Sp. Ins.* p. 57. n. 251 (1781); *Mant. Ins.* p. 28. n. 290 (1787); *Ent. Syst.* iii. p. 53. n. 163 (1793).

Pará, Lower Amazons. (Obtained 1845, from Mrs. J. P. G. Smith) B.M.

There are two worn specimens of *P. Salome* (labelled "*P. Nicæus*") in the Banksian Collection in the British Museum.

2. Eurybia Dardus.

Papilio (D.) Dardus, *Fabricius*, "alis integerrimis, fuscis; anticis utrinque ocello medio cyaneo; omnibus subtus strigis duabus ocellaribus: habitat Surinami." E. Upis, *Hübner, Samml. exot. Schmett.* ii. pl. 12. figs. 1–4 (1806).

Fabricius, Mant. Ins. p. 30. n. 324 (1787); *Ent. Syst.* iii. p. 156. n. 482 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

In the 'Genera of Diurnal Lepidoptera' the *P. Lamia* of Cramer (Pap. Exot. ii. pl. 150. fig. C) is regarded as synonymous with *P. Dardus*; the latter, however, differs from *P. Lamia* in having no brilliant blue reflection upon the posterior wings.

3. Eurybia? Constantius.

Papilio (N.) Constantius, *Fabricius*, "alis integerrimis, obscure cinereis, striga marginali punctorum fuscorum: habitat . . . ."
Fabricius, Ent. Syst. iii. p. 152. n. 468 (1793).

Not in the British Museum.

This species seems to come near to the species of *Eurybia*, but wants the conspicuous central ocellus of the anterior wings; it is figured in the unpublished 'Icones' of the late Mr. Jones.

Genus 5. MESOSEMIA, *Hübner*, *Verz. bek. Schmett.* p. 20 (1816).

1. Mesosemia Menippus.

Papilio (P. U.) Menippus, *Fabricius*, "alis integerrimis, striatis, fuscis, fascia lata alba: habitat Surinami."
Fabricius, Gen. Ins. p. 272. n. 397, 398 (1776); *Sp. Ins.* p. 138. n. 640 (1781); *Mant. Ins.* p. 91. n. 827 (1787); *Ent. Syst.* iii. p. 353. n. 341 (1793).

This species is, in the 'Genera of Diurnal Lepidoptera,' referred to the genus *Pyrgus* (*Hesperidæ*); it seems, however, to be nothing more than a faded *Mesosemia*, probably *M. Sifia*, Boisd.; although we have the latter species only from Bogota, it is registered in the 'Genera' as coming from Brazil.

2. Mesosemia Ulrica.

♂. Papilio (P. R.) Ulricus (*sic*), *Fabricius* [P. Ulrica, *Cramer*], "alis integris, cæruleo nitidis, subtus basi brunneis; anticis ocello tripupillato: habitat Surinami." *Pap. Exot.* ii. pl. 100. figs. E, F (1779).
Fabricius, Sp. Ins. p. 127. n. 572 (1781); *Mant. Ins.* p. 82. n. 735 (1787); *Ent. Syst.* iii. p. 314. n. 187 (1793).

Ega, Upper Amazons. (Obtained 1857, collected by H. W. Bates, Esq.) B.M.

The *M. Machæra* of Hewitson may be the female of *P. Ulrica*; the under surface of the two insects and their general form are very similar; moreover we obtained both in the same collection.

3. Mesosemia Philocles.

Papilio (D. F.) Philocles, *Linnæus*, "alis integerrimis, fuscis;

subtus anticis ocello, posticis lineis transversis undatis: habitat in Indiis." *Clerck, Icon.* pl. 41. fig. 3 (1764).

Fabricius, Gen. Ins. p. 259. n. 189, 190 (1776); *Sp. Ins.* p. 64. n. 285 (1781); *Mant. Ins.* p. 31. n. 329 (1787); *Ent. Syst.* iii. p. 215. n. 674 (1793).

♂ ♀, Brazil. (Obtained in one collection) B.M.

The male of *P. Philocles* is roughly figured by Cramer (Pap. Exot. pl. 184. figs. D, E, nec F).

4. Mesosemia Rosina.

Papilio (D. F.) Renatus, *Fabricius* [P. Rosina, *Cramer*], "alis integerrimis, concoloribus nigris, fascia communi alba; anticis ocello tripupillato: habitat Surinami." *Pap. Exot.* iv. pl. 326. fig. B (1782).

Fabricius, Mant. Ins. p. 31. n. 330 (1787); *Ent. Syst.* iii. p. 216. n. 675 (1793).

Var. Villa Nova, Amazons. (Obtained 1855, collected by H. W. Bates, Esq.) B.M.

Cramer, on his pl. 326, figures *Euptychia Renatus* (fig. A), *Mesosemia Rosina* (fig. B), and *Mycalesis Francisca* (fig. E); Fabricius refers to fig. E, but describes fig. B under the name of fig. A.

5. Mesosemia Eumene.

Papilio (D. F.) Eumenes, *Fabricius* [P. Eumene, *Cramer*], "alis integerrimis, dimidiato fuscis; anticis utrinque ocello atro tripupillato: habitat in India occidentali." *Pap. Exot.* i. pl. 92. figs. F, G (1779).

Fabricius, Sp. Ins. p. 68. n. 307 (1781); *Mant. Ins.* p. 34. n. 357 (1787).

P. (S.) Eumenus, *Fabricius, Ent. Syst.* iii. p. 224. n. 702 (1793).

Ega, Upper Amazons. (Obtained 1857, collected by H. W. Bates, Esq.) B.M.

6. Mesosemia Crœsus.

♂. Papilio (D. F.) Crœsus, *Fabricius*, "alis integerrimis, cyaneis, strigis atris numerosis; anticis supra macula ocellari tripupillata: habitat Surinami."

Fabricius, Gen. Ins. p. 259. n. 189, 190 (1776); *Sp. Ins.* p. 64. n. 286 (1781); *Mant. Ins.* p. 31. n. 331 (1787); *Ent. Syst.* iii. p. 216. n. 676 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

The *M. Myonia* of Hewitson is probably the female of this species.

7. Mesosemia Geminus.

Hesperia (R.) Geminus, *Fabricius*, "alis rotundatis, cæruleis, limbo

atro, striga cærulea; posticis supra fusco nitidioribus: habitat in America."

Fabricius, Ent. Syst. iii. p. 222. n. 25) 1793.

Brazil. Obtained 1844. B.M.

8. **Mesosemia Ephyne.**

Papilio (D. F.) Ephyne, *Fabricius* [P. Ephyne, *Cramer*], "alis integerrimis, cæruleis purpureo fasciatis; anticis ocello introrsum triangulato: habitat Surinami." *Pap. Exot.* i. pl. 93. figs. E, F (1779).

Fabricius, Sp. Ins. p. 65. n. 305 (1781); *Mant. Ins.* p. 34. n. 357 (1787); *Ent. Syst.* iii. p. 224. n. 703 (1793).

Not in the British Museum.

P. Ephyne seems to be closely allied to *M. Misipus* of Hewitson.

9. **Mesosemia Hyphea.**

Papilio (D. F.) Hyphea, *Fabricius* [P. Hyphea, *Cramer*], "alis integerrimis, cæruleis alis fusco fasciatis; anticis ocello atro, posticis cæcis: habitat in India occidentali." *Pap. Exot.* i. pl. 92. fig. C (1779).

Fabricius, Sp. Ins. p. 67. n. 305 (1781); *Mant. Ins.* p. 34. n. 355 (1787); *Ent. Syst.* iii. p. 223. n. 698 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

10. **Mesosemia Vanessa.**

Papilio (D.) Vanessa, *Fabricius*, "alis integerrimis, albis; anticis margine exteriore fusco punctoque atro; posticis fusco strigosis: habitat in America." *Donovan, Nat. Rep.* v. pl. 166 (1827).

Fabricius, Ent. Syst. iii. p. 192. n. 597 (1793).

Not in the British Museum.

P. Vanessa seems to come near to *P. Philemon* of Cramer.

11. **Mesosemia Philemon.**

Papilio (P. R.) Icarus, *Fabricius* [P. Philemon, *Cramer*], "alis integris, supra albis, fasciis fuscis, subtus fasciis albis nigrisque alternis: habitat Surinami." *Pap. Exot.* i. pl. 22. figs. G, H (1775).

Fabricius, Gen. Ins. p. 269. n. 348, 349 (1776); *Sp. Ins.* p. 124. n. 556 (1781); *Mant. Ins.* p. 77. n. 705 (1787); *Ent. Syst.* iii. p. 302. n. 146 (1793).

Ega, Upper Amazons. (Obtained 1856, collected by H. W. Bates, Esq.) B.M.

12. **Mesosemia Tullia.**

Papilio (D. F.) Tullius, *Fabricius*, "alis integerrimis, obscure

cinereis; anticis apice fuscis, utrinque ocello tripupillato: habitat Caiennæ."

Fabricius, Mant. Ins. p. 34. n. 359 (1787); *Ent. Syst.* iii. p. 224. n. 704 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

M. tenera, Westwood, is the Venezuelan form of this species. In the Museum specimens the third pupil of the ocellus is not indicated; the "*tripupillato*" of the description is probably due to Fabricius having described three *Mesosemiæ* consecutively, the first two tripupillated, the third bipupillated.

Genus 6. CREMNA, *Westwood*,
Gen. Diurn. Lepid. p. 456 (1851).

1. Cremna Actoris.

♀. Papilio (P. R.) Actoris, *Cramer*, "alis integerrimis, concoloribus fuscis, albo punctatis: habitat Surinami." *Pap. Exot.* i. pl. 93. fig. D (1779).

♂. Papilio (P. R.) Ceneus, *Cramer*, "alis integris, atris cæruleo undatis, margine albo punctato: habitat Surinami." *Pap. Exot.* ii. pl. 156. fig. F (1779).

Fabricius, Sp. Ins. pp. 124, 128, n. 554, 578 (1781).

P. Cineus (*sic*), *Fabricius, Mant. Ins.* pp. 77, 82, n. 703, 742 (1787); *Ent. Syst.* iii. pp. 302, 316, n. 144, 196 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

Subfamily III. *EURYGONINÆ*, Bates,
Journ. Linn. Soc. ix. p. 420 (1868).

Genus 1. EURYGONA, *Boisduval*,
Suit. Buff. i. pl. 3 A (1836).

1. Eurygona Euriteus.

Papilio (P. R.) Euriteus, *Cramer*, "alis integris, atris, macula cærulea, subtus medio rufis, fasciis albis: habitat Surinami." *Pap. Exot.* ii. pl. 152. figs. D, E (1779).

Fabricius, Sp. Ins. p. 129. n. 586 (1781); *Mant. Ins.* p. 83. n. 751 (1787); *Ent. Syst.* iii. p. 321. n. 216 (1793).

Pará, Upper Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

2. Eurygona Thucydides.

Papilio (H. R.) Thucydides, *Fabricius*, "alis integerrimis, nigris, macula disci fulva, subtus cinereis rufo undatis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 43. fig. 1 (1800).

Fabricius, Ent. Syst. iii. p. 323. n. 225 (1793).

Brazil. (Obtained from Mr. Children's collection) B.M.

3. Eurygona gemellus.

Papilio (H. R.) gemellus, *Fabricius*, "alis integerrimis, flavescentibus, limbo fusco; subtus albis, striga media lunulisque marginalibus sanguineis: habitat in Caienna." *Donovan, Nat. Rep.* iii. pl. 93 (1825).

Fabricius, Ent. Syst. iii. p. 319. n. 205 (1793).

The *P. Teleclus* of Stoll and the *E. Catoleuce* of Hübner have been considered synonyms of *P. gemellus*: it is certainly possible that Hübner's species may be the female of it; but *P. Teleclus* seems quite distinct; there is, however, very little difference between *P. gemellus* and *E. opalescens*.

Genus 2. METHONELLA, *Westwood*,

Gen. Diurn. Lepid. p. 533. n. 422 (1852).

1. Methonella Cæcilia.

Papilio (P. R.) Amyntor, *Fabricius* [P. Cæcilia, *Cramer*], "alis dentato-caudatis, atris, basi macula fulva, apice fascia flava: habitat in India." *Pap. Exot.* ii. pl. 159. figs. D, E (1779).

Fabricius, Sp. Ins. p. 121. n. 543 (1781); *Mant. Ins.* p. 71. n. 674 (1787); *Ent. Syst.* iii. p. 290. n. 109 (1793).

Local form. Pará, Lower Amazons. (Presented 1845, by Gordon Grahame, Esq.) B.M.

Subfamily IV. *ERYCININÆ*, Bates,

Journ. Linn. Soc. ix. p. 424 (1868).

Genus 1. NOTHEME, *Westwood*,

Gen. Diurn. Lepid. p. 262 (1851).

1. Notheme Eumeus.

Papilio (D. F.) Eumeus, *Fabricius*, "alis integerrimis, fuscis, fascia alba, posticarum utrinque terminante macula fulva: habitat in Caienna." Amblygonia Agathon, *Felder, Reise der Novara*, pl. 37. figs. 25, 26 (1865).

Var. Papilio (H. R.) Ouranus, *Cramer*, "alis integerrimis, concoloribus atris, fascia communi alba * macula sanguinea terminata: habitat Surinami." *Pap. Exot.* iv. pl. 305. fig. C (1782).

Fabricius, Sp. Ins. p. 63. n. 280 (1781); *Mant. Ins.* p. 30. n. 323 (1787); *Ent. Syst.* iii. pp. 156, 317, n. 200, 481 (1793).

Brazil. (Obtained 1848) B.M.

* Fulva.

Genus 2. PANARA, *Westwood*,

Gen. Diurn. Lepid. p. 442 (1851).

1. **Panara Phereclus.**

Papilio (P. R.) Phereclus, *Linnæus*, "alis integerrimis, concoloribus atris; anticis fascia lineari rubra: habitat in America." *Clerck, Icon.* pl. 45. fig. 4 (1864).

Fabricius, Syst. Ent. p. 529. n. 364 (1775); *Sp. Ins.* p. 129. n. 587 (1781); *Mant. Ins.* p. 83. n. 752 (1787).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

2. **Panará Thisbe.**

Papilio (P. R.) Thisbe, *Fabricius*, "alis integerrimis, concoloribus atris, fascia fulva: habitat Caiennæ." P. Jarbas, *Drury, Ill.* iii. pl. 8. fig. 2 (1782).

Fabricius, Sp. Ins. p. 310. n. 589 (1781); *Mant. Ins.* p. 83. n. 754 (1787).

P. (R.) perditus, *Fabricius, Ent. Syst.* iii. p. 323. n. 222 (1793).

Brazil (registered "*P. perditus*"). (From Mr. Children's Collection) B.M.

Genus 3. LYMNAS, *Blanchard*,

Anim. Artic. iii. p. 464 (1840).

1. **Lymnas Jarbas.**

Papilio (P. R.) Jarbas, *Fabricius*, "alæ omnes atræ, fascia flava, anticarum abbreviata, posticarum marginali; punctum baseos magnum sanguineum, punctoque apicis sanguineo: habitat Caiennæ." L. Melantho, *Ménétriés, Cat. Lep. Mus. St. Petersburg.* pl. 3. fig. 7, p. 93.

Fabricius, Mant. Ins. p. 83. n. 749 (1787).

P. (R.) Electron, *Fabricius, Ent. Syst.* iii. p. 321. n. 214 (1793).

Honduras and Venezuela. (Obtained 1845–46, from Mr. Dyson) B.M.

Genus 4. ERYCINA, *Fabricius*,

Illiger's Magaz. vi. p. 286 (1808).

1. **Erycina Melibæus.**

Papilio (P. U.) Melibæus, *Fabricius*, "alis caudatis, fuscis; anticis strigis, posticis duabus sanguineis, subtus cyaneo nitidissimis: habitat Surinami." P. Pyretus, *Cramer, Pap. Exot.* ii. pl. 144. figs. A, B (1779).

Fabricius, Gen. Ins. p. 271. n. 381, 382 (1776); *Sp. Ins.* p. 16. n. 65 (1781); *Mant. Ins.* p. 9. n. 75 (1787); *Ent. Syst.* iii. p. 29. n. 84 (1793).

Rio Negro, Amazons. (Obtained 1851, collected by A. R. Wallace, Esq.) B.M.

Genus 5. [illegible], *Boisduval*.

Ann. Ent. Soc. France, vi. p. 43. 1837.

1. Dircina Electra.

Papilio P. A. Licursis var. *Fabricius*, "alis caudatis, anticis fasciis duabus albis, supra nigris, ad ruborem tendentibus: habitat Surinami." *Pap. Exot.* i. p. 62. fig. C. 1779.

Fabricius, Sp. Ins. p. 12. n. 64. 1781: *Mant. Ins.* p. 9. n. 73. 1787: *Ent. Syst.* iii. p. 28. n. 83. 1793.

Not in the British-Museum collection: it seems distinct from *P. Licursis* of the 'Genera Insectorum' and certainly has little in common with *P. Licursis* (sp.) of the 'Systema Entomologiæ,' although Fabricius seems to have considered the two species to be identical.

2. Dircina Licursis.

Papilio P. U.) Licursis, *Fabricius*, "alæ anticæ supra atræ, fasciis duabus albis, subtus cæruleæ lineola punctoque baseos rubris; posticæ supra atræ, fasciis duabus obliquis albis, posteriore dimidiata, cauda elongata atra, punctis albis dimidiatis albis, ad angulum ani puncta duo rubra, subtus cæruleæ ut inter maculas anales puncta duo parva cyanea: habitat Surinami." *Merian, Annales Soc. Ent. France*, vi. pl. 14. figs. 1, 2.

Fabricius, Gen. Ins. p. 271. n. 351. (1776).

Brazil (two specimens). B.M.

Genus 6. ZEONIA, *Swainson*,

Zool. Ill. ii. ser. 3. p. 111 (1833).

1. Zeonia Faunus.

Papilio (P. U.) Faunus, *Fabricius*, "alis caudatis, hyalinis, margine strigaque nigris: habitat in Indiis."

Papilio (P. A.) Octavius, *Fabricius*, "margine strigaque rubris" [misprint]. Zeonia Heliconides, *Swainson*, *Zool. Ill.* 2nd ser. pl. 3 (1833).

Fabricius, Syst. Ent. p. 532. n. 380 (1775); *Sp. Ins.* p. 16. n. 63 (1781).

P. Octavius, *Fabricius, Mant. Ins.* p. 9. n. 72 (1787); *Ent. Syst.* iii. p. 28. n. 82 (1793).

Brazil. (Obtained 1851) B.M.

2. Zeonia Licursis.

Papilio (P. U.) Licursis, *Fabricius*, "alæ nigræ, fasciis duabus obliquis, hyalinis, cauda longissima, maculis duabus parvis rubris ad angulum ani: habitat in Indiis." ? Z. Xantippe, *G. R. Gray, Gen. Diurn. Lepid.* pl. 72. fig. 4 (1851).

Fabricius, Syst. Ent. p. 532. n. 381 (1775).

Id. ? Brazil. (Obtained 1840, from Mr. Children's collection) B.M.

The description of *P. Licursis* applies exactly to *Z. Xantippe*; the difference of locality cannot be much depended upon.

Genus 7. MONETHE, *Westwood*,
Gen. Diurn. Lepid. p. 462 (1851).

1. Monethe Alphonsus.

Hesperia (R.) Alphonsus, *Fabricius*, "alis integerrimis, atris; anticis maculis duabus, posticis unica baseos, flavis: habitat Surinami."
Fabricius, Ent. Syst. iii. p. 308. n. 171 (1793).

Rio Janeiro. (Obtained 1850) B.M.

2. Monethe ? Helius.

Papilio (P. U.) Helius, *Cramer*, "alis subdivaricatis, fuscis; posticis margine interiore fulvis: habitat Surinami." *Pap. Exot.* iii. pl. 198. fig. B (1781 ?).
Fabricius, Sp. Ins. p. 132 n. 602 (1781); *Mant. Ins.* p. 85. n. 771 (1787); *Ent. Syst.* iii. p. 329. n. 248 (1793).

Not in the British-Museum collection.

Genus 8. RODINIA, *Westwood*,
Gen. Diurn. Lepid. p. 430 (1851).

1. Rodinia Lysippus.

Papilio (P. R.) Lysippus, *Linnæus*, "alis angulatis, fuscis, omnibus striga rubra; subtus cinereo punctatis: habitat in America." *Clerck, Icon.* pl. 22. fig. 2 (1764).
Fabricius, Syst. Ent. p. 529. n. 365 (1775); *Sp. Ins.* p. 129. n. 588 (1781); *Mant. Ins.* p. 83. n. 753 (1787); *Ent. Syst.* iii. p. 321. n. 216 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

Genus 9. AMARYNTHIS, *Hübner*,
Verz. bek. Schmett. p. 26 (1816).

1. Amarynthis Mæcenas.

♀. Hesperia (R.) Mæcenas, *Fabricius*, "alis oblongis, concoloribus nigris, fascia communi lineolaque anticarum sanguineis: habitat in insula Guadeloupe."
Fabricius, Ent. Syst. iii. p. 306. n. 160 (1793).

Not in the British-Museum collection.

P. Mœcenas seems to differ from the *P. Meneria* of South America in having no white spots upon the upper surface of the wings.

Genus 13. SYMMACHIA, *Hübner*,
Verz. bek. Schmett. p. 25 (1816).

1. Symmachia Menetas.

Hesperia (R.) Tacitus, *Fabricius* [P. Menetas, *Drury*], "alis integerrimis, fulvis; anticis margine exteriore atro, flavo maculato: habitat Surinami." *Donovan, Nat. Rep.* iv. pl. 134 (1826).
Fabricius, Ent. Syst. iii. p. 308. n. 168 (1793).

Brazil. (Obtained 1851) B.M.

2. Symmachia Plutargus.

Hesperia (U.) Plutargus, *Fabricius*, "alis integerrimis, fuscis, auro irroratis; anticis supra macula apicis, subtus margine exteriore testaceis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 48. fig. 3 (1800).
Fabricius, Ent. Syst. iii. p. 329. n. 251 (1793).

Rio Janeiro. (Obtained 1850) B.M.

3. Symmachia Ovidius.

Hesperia (R.) Ovidius, *Fabricius*, "alis integerrimis, auro punctatis; supra fulvis, subtus flavescentibus: habitat in Indiis." *Donovan, Ins. Ind.* pl. 46. fig. 7 (1800).
Fabricius, Ent. Syst. iii. p. 320. n. 212 (1793).

Villa Nova, Amazons. (Obtained 1855, collected by H. W. Bates, Esq.) B. M.

This species is well figured in Jones's 'Icones.'

4. Symmachia Domitianus.

Hesperia (R.) Domitianus, *Fabricius*, "alis integris, fuscis; anticis macula, posticis striga viridibus; subtus brunneis, punctis strigaque marginali argenteis: habitat in Guadeloupe."
Fabricius, Ent. Syst. iii. p. 315. n. 193 (1793).

Venezuela. (Obtained 1846, from Mr. Dyson) B.M.

Genus 14. MESENE, *Westwood*,
Gen. Diurn. Lepid. p. 441 (1851).

1. Mesene Epaphus.

Papilio (P. R.) Phareus (part.), *Fabricius* [P. Epaphus, *Cramer*], *Pap. Exot.* iv. pl. 335. figs. D, E (1782).
Fabricius, Mant. Ins. p. 79. n. 722 (1787).

Pará, Lower Amazons. (Obtained 1852, collected by H. W. Bates, Esq.) B.M.

2. Mesene Sagaris.

Papilio (P. R.) Sagaris, *Cramer*, "alis integerrimis, atris, macula

communi transversali fulva: habitat Surinami." *Pap. Exot.* i. pl. 83. fig. D (1779).

Fabricius, Sp. Ins. p. 129. n. 585 (1781); *Mant. Ins.* p. 83. n. 750 (1787); *Ent. Syst.* iii. p. 321. n. 215 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

3. **Mesene Phareus.**

Papilio (P. R.) Phareus, *Cramer*, "alis integerrimis, subconcoloribus rubris, limbo nigro: habitat Surinami." *Pap. Exot.* ii. pl. 170. fig. 6 (1779).

Fabricius, Sp. Ins. p. 126. n. 567 (1781); *Ent. Syst.* iii. p. 308. n. 167 (1793).

Pará, Lower Amazons. (Obtained 1845, from Mrs. J. P. G. Smith) B.M.

4. **Mesene Florus.**

Papilio (H. R.) Florus, *Fabricius*, "alis integerrimis, fulvis, margine nigro, subtus basi nigro punctatis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 39. fig. 4 (1800).

Fabricius, Ent. Syst. iii. p. 310. n. 176 (1793).

Brazil. (Obtained 1848) B.M.

The red-lead used in colouring some copies of Donovan's 'India' has gone quite brown, so that the figure is scarcely recognizable; the species is naturally of a bright fulvous-orange colour, with a black border and several basal black points on the under surface of the wings. *P. Florus* is referred with doubt to the genus *Lycæna* in the 'Genera of Diurnal Lepidoptera.'

5. **Mesene Thelephus.**

Papilio (P. R.) Thelephus, *Cramer*, "alis integerrimis, nigris; anticis albo punctatis, posticis supra basi rufis; subtus cæruleis nigro variis: habitat in America." *Pap. Exot.* i. pl. 66. figs. E, F (1779).

Fabricius, Sp. Ins. p. 124. n. 560 (1781).

P. Tilephus (*sic*), *Fabricius, Mant. Ins.* p. 78. n. 710 (1787).

P. Telephus (*sic*), *Fabricius, Ent. Syst.* iii. p. 304. n. 153 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

Genus 15. CHARIS, *Hübner*,

Verz. bek. Schmett. p. 21 (1816).

1. **Charis Avius.**

Papilio (P. R.) Avius, *Cramer*, "alis integris, concoloribus fuscis, strigis duabus apicis cæruleis: habitat in India occidentali." *Pap. Exot.* i. pl. 92. fig. B (1779).

Fabricius, Sp. Ins. p. 124 (1781); *Mant. Ins.* p. 77. n. 701 (1787).

atro, striga cærulea; posticis subtus fusco subfasciatis: habitat in America."

Fabricius, Ent. Syst. iii. p. 322. n. 220 (1793).

Brazil. (Obtained 1844) B.M.

8. **Mesosemia Ephyne.**

Papilio (D. F.) Ephynes, *Fabricius* [P. Ephyne, *Cramer*], "alis integerrimis, cæruleis purpureo fasciatis; anticis utrinque ocello, inferiore tripupillato: habitat Surinami." *Pap. Exot.* i. pl. 93. figs. E, F (1779).

Fabricius, Sp. Ins. p. 68. n. 308 (1781); *Mant. Ins.* p. 34. n. 357 (1787); *Ent. Syst.* iii. p. 224. n. 703 (1793).

Not in the British Museum.

P. Ephyne seems to be closely allied to *M. Misipsa* of Hewitson.

9. **Mesosemia Hyphea.**

Papilio (D. F.) Hypheus, *Fabricius* [P. Hyphea, *Cramer*], "alis integerrimis, concoloribus albis fusco fasciatis; anticis ocello atro, posticis cæcis: habitat in India occidentali." *Pap. Exot.* i. pl. 92. fig. C (1779).

Fabricius, Sp. Ins. p. 67. n. 305 (1781); *Mant. Ins.* p. 34. n. 355 (1787); *Ent. Syst.* iii. p. 223. n. 698 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

10. **Mesosemia Vanessa.**

Papilio (D.) Vanessa, *Fabricius*, "alis integerrimis, albis; anticis margine exteriore fusco punctoque atro; posticis fusco strigosis: habitat in America." *Donovan, Nat. Rep.* v. pl. 166 (1827).

Fabricius, Ent. Syst. iii. p. 192. n. 597 (1793).

Not in the British Museum.

P. Vanessa seems to come near to *P. Philemon* of Cramer.

11. **Mesosemia Philemon.**

Papilio (P.R.) Icarus, *Fabricius* [P. Philemon, *Cramer*], "alis integris, supra albis, fasciis fuscis, subtus fasciis albis nigrisque alternis: habitat Surinami." *Pap. Exot.* i. pl. 22. figs. G, H (1775).

Fabricius, Gen. Ins. p. 269. n. 348, 349 (1776); *Sp. Ins.* p. 124. n. 556 (1781); *Mant. Ins.* p. 77. n. 705 (1787); *Ent. Syst.* iii. p. 302. n. 146 (1793).

Ega, Upper Amazons. (Obtained 1856, collected by H. W. Bates, Esq.) B.M.

12. **Mesosemia Tullia.**

Papilio (D. F.) Tullius, *Fabricius*, "alis integerrimis, obscure

cinereis; anticis apice fuscis, utrinque ocello tripupillato: habitat Caiennæ."

Fabricius, Mant. Ins. p. 34. n. 359 (1787); *Ent. Syst.* iii. p. 224. n. 704 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

M. tenera, Westwood, is the Venezuelan form of this species. In the Museum specimens the third pupil of the ocellus is not indicated; the "*tripupillato*" of the description is probably due to Fabricius having described three *Mesosemiæ* consecutively, the first two tripupillated, the third bipupillated.

Genus 6. CREMNA, *Westwood*,
Gen. Diurn. Lepid. p. 456 (1851).

1. Cremna Actoris.

♀. Papilio (P. R.) Actoris, *Cramer*, "alis integerrimis, concoloribus fuscis, albo punctatis: habitat Surinami." *Pap. Exot.* i. pl. 93. fig. D (1779).

♂. Papilio (P. R.) Ceneus, *Cramer*, "alis integris, atris cæruleo undatis, margine albo punctato: habitat Surinami." *Pap. Exot.* ii. pl. 156. fig. F (1779).

Fabricius, Sp. Ins. pp. 124, 128, n. 554, 578 (1781).

P. Cineus (*sic*), *Fabricius, Mant. Ins.* pp. 77, 82, n. 703, 742 (1787); *Ent. Syst.* iii. pp. 302, 316, n. 144, 196 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

Subfamily III. *EURYGONINÆ*, Bates,
Journ. Linn. Soc. ix. p. 420 (1868).

Genus 1. EURYGONA, *Boisduval*,
Suit. Buff. i. pl. 3 A (1836).

1. Eurygona Euriteus.

Papilio (P. R.) Euriteus, *Cramer*, "alis integris, atris, macula cærulea, subtus medio rufis, fasciis albis: habitat Surinami." *Pap. Exot.* ii. pl. 152. figs. D, E (1779).

Fabricius, Sp. Ins. p. 129. n. 586 (1781); *Mant. Ins.* p. 83. n. 751 (1787); *Ent. Syst.* iii. p. 321. n. 216 (1793).

Pará, Upper Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

2. Eurygona Thucydides.

Papilio (H. R.) Thucydides, *Fabricius*, "alis integerrimis, nigris, macula disci fulva, subtus cinereis rufo undatis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 43. fig. 1 (1800).

Fabricius, Ent. Syst. iii. p. 323. n. 225 (1793).

Brazil. (Obtained from Mr. Children's collection) B.M.

3. Eurygona gemellus.

Papilio (H. R.) gemellus, *Fabricius*, "alis integerrimis, flavescentibus, limbo fusco; subtus albis, striga media lunulisque marginalibus sanguineis: habitat in Caienna." *Donovan, Nat. Rep.* iii. pl. 93 (1825).

Fabricius, Ent. Syst. iii. p. 319. n. 208 (1793).

The *P. Teleclus* of Stoll and the *E. Catoleuce* of Hübner have been considered synonyms of *P. gemellus*: it is certainly possible that Hübner's species may be the female of it; but *P. Teleclus* seems quite distinct; there is, however, very little difference between *P. gemellus* and *E. opalescens*.

Genus 2. METHONELLA, *Westwood*,

Gen. Diurn. Lepid. p. 533. n. 422 (1852).

1. Methonella Cæcilia.

Papilio (P. R.) Amyntor, *Fabricius* [P. Cæcilia, *Cramer*], "alis dentato-caudatis, atris, basi macula fulva, apice fascia flava: habitat in India." *Pap. Exot.* ii. pl. 159. figs. D, E (1779).

Fabricius, Sp. Ins. p. 121. n. 543 (1781); *Mant. Ins.* p. 71. n. 674 (1787); *Ent. Syst.* iii. p. 290. n. 109 (1793).

Local form. Pará, Lower Amazons. (Presented 1845, by Gordon Grahame, Esq.) B.M.

Subfamily IV. *ERYCININÆ*, Bates,

Journ. Linn. Soc. ix. p. 424 (1868).

Genus 1. NOTHEME, *Westwood*,

Gen. Diurn. Lepid. p. 262 (1851).

1. Notheme Eumeus.

Papilio (D. F.) Eumeus, *Fabricius*, "alis integerrimis, fuscis, fascia alba, posticarum utrinque terminante macula fulva: habitat in Caiennâ." Amblygonia Agathon, *Felder, Reise der Novara*, pl. 37. figs. 25, 26 (1865).

Var. Papilio (H. R.) Ouranus, *Cramer*, "alis integerrimis, concoloribus atris, fascia communi alba * macula sanguinea terminata: habitat Surinami." *Pap. Exot.* iv. pl. 305. fig. C (1782).

Fabricius, Sp. Ins. p. 63. n. 280 (1781); *Mant. Ins.* p. 30. n. 323 (1787); *Ent. Syst.* iii. pp. 156, 317, n. 200, 481 (1793).

Brazil. (Obtained 1848) B.M.

* Fulva.

Genus 2. PANARA, *Westwood*,
Gen. Diurn. Lepid. p. 442 (1851).

1. **Panara Phereclus.**

Papilio (P. R.) Phereclus, *Linnæus*, "alis integerrimis, concoloribus atris; anticis fascia lineari rubra: habitat in America." *Clerck, Icon.* pl. 45. fig. 4 (1864).

Fabricius, Syst. Ent. p. 529. n. 364 (1775); *Sp. Ins.* p. 129. n. 587 (1781); *Mant. Ins.* p. 83. n. 752 (1787).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

2. **Panará Thisbe.**

Papilio (P. R.) Thisbe, *Fabricius*, "alis integerrimis, concoloribus atris, fascia fulva: habitat Caiennæ." P. Jarbas, *Drury, Ill.* iii. pl. 8. fig. 2 (1782).

Fabricius, Sp. Ins. p. 310. n. 589 (1781); *Mant. Ins.* p. 83. n. 754 (1787).

P. (R.) perditus, *Fabricius, Ent. Syst.* iii. p. 323. n. 222 (1793).

Brazil (registered "*P. perditus*"). (From Mr. Children's Collection) B.M.

Genus 3. LYMNAS, *Blanchard*,
Anim. Artic. iii. p. 464 (1840).

1. **Lymnas Jarbas.**

Papilio (P. R.) Jarbas, *Fabricius*, "alæ omnes atræ, fascia flava, anticarum abbreviata, posticarum marginali; punctum baseos magnum sanguineum, punctoque apicis sanguineo: habitat Caiennæ." L. Melantho, *Ménétriés, Cat. Lep. Mus. St. Petersburg.* pl. 3. fig. 7, p. 93.

Fabricius, Mant. Ins. p. 83. n. 749 (1787).

P. (R.) Electron, *Fabricius, Ent. Syst.* iii. p. 321. n. 214 (1793).

Honduras and Venezuela. (Obtained 1845–46, from Mr. Dyson) B.M.

Genus 4. ERYCINA, *Fabricius*,
Illiger's Magaz. vi. p. 286 (1808).

1. **Erycina Melibæus.**

Papilio (P. U.) Melibæus, *Fabricius*, "alis caudatis, fuscis; anticis strigis, posticis duabus sanguineis, subtus cyaneo nitidissimis: habitat Surinami." P. Pyretus, *Cramer, Pap. Exot.* ii. pl. 144. figs. A, B (1779).

Fabricius, Gen. Ins. p. 271. n. 381, 382 (1776); *Sp. Ins.* p. 16. n. 65 (1781); *Mant. Ins.* p. 9. n. 75 (1787); *Ent. Syst.* iii. p. 29. n. 84 (1793).

Rio Negro, Amazons. (Obtained 1851, collected by A. R. Wallace, Esq.) B.M.

5. Acræa Andromacha.

Papilio (H.) Andromacha, *Fabricius*, "alis rotundatis, integerrimis, concoloribus, nigro punctatis; anticis denudatis, posticis flavescentibus: habitat in Nova Hollandia."

Fabricius, Syst. Ent. p. 466. n. 102 (1775); *Sp. Ins.* p. 36 n. 150 (1781); *Mant. Ins.* p. 17. n. 172 (1787); *Ent. Syst.* iii. p. 182. n. 564 (1793).

New Holland. (Presented 1844, by the Haslar Hospital, collected by — Bynce, Esq., Surgeon, R.N.) B.M.

The type of *P. Andromacha* is in the Banksian Collection in the British Museum.

Genus 6. GNESIA, *E. Doubleday*,

Gen. Diurn. Lepid. p. 141 (1848).

1. Gnesia Egina.

Papilio (H.) Zetes, *Fabricius*, nec *Linnæus* [P. Egina, *Cramer*], "alis oblongis, fuscis, nigro punctatis; posticis fascia fulva nigro punctata, subtus margine pallido punctato: habitat in Guinea." *Pap. Exot.* i. pl. 39. fig. G (1776).

♀. Papilio (H.) Persephone, *Fabricius*, "alis integris, fuscis, nigro punctatis; anticis macula alba; posticis margine nigro immaculato: habitat in Guinea."

Fabricius, Ent. Syst. iii. p. 174. n. 541, 542 (1793).

Ashanti. (Obtained 1844) B.M.

A female of this species in the British-Museum collection agrees well with Jones's unpublished figure, copied by Donovan, in the Hope Collection of drawings at Oxford.

Var. Papilio (H.) Pasiphaë, *Fabricius* [P. Medea, *Cramer*], "alis oblongis, integerrimis, fuscis albo variis, maculis margineque atris: habitat in Guinea." *Pap. Exot.* i. pl. 81. figs. C, D (1779).

Fabricius, Sp. Ins. p. 33. n. 140 (1781); *Mant. Ins.* p. 16. n. 161 (1787); *Ent. Syst.* iii. p. 176. n. 548 (1793).

This remarkable insect is doubtless an aberration of Cramer's *P. Egina*, although in the 'Genera of Diurnal Lepidoptera' Mr. Doubleday has regarded it as a distinct species.

2. Gnesia Parrhasia.

♀. Papilio (H.) Parrhasia, *Fabricius*, "alis oblongis, integerrimis, atris; anticis macula quadrifida fulva hyalinaque; posticis fascia fulva; subtus flavis, punctis lineisque nigris: habitat in Indiis."

Fabricius, Ent. Syst. iii. p. 175. n. 745 (1793).

West Africa. (From Mr. Milne's Collection) B.M.

The specimen of *P. Parrhasia* mentioned above is possibly the type from Drury's Collection; Mr. Doubleday considered it to be the female of Drury's *P. Circeis*; we, however, have both sexes of the latter species not differing in colour.

3. Gnesia Circeis.

Papilio (P.) Mandane, *Fabricius* [Circeis, *Drury*], "alis oblongis, integerrimis; anticis hyalinis nigro venosis; posticis atris, fascia alba: habitat in Africa." *Ill.* iii. pl. 18. figs. 5, 6 (1782).

Fabricius, Ent. Syst. iii. p. 183. n. 565 (1793).

Sierra Leone. (From Mr. Milne's Collection) B.M.

The above specimen agrees with Drury's figure, and is very likely his type.

Family II. ERYCINIDÆ, *Westwood*,

Gen. Diurn. Lepid. p. 415 (1851).

Subfamily I. *LIBYTHEINÆ*, Bates,

Journ. Entom. no. x. p. 176 (1864).

Genus 1. LIBYTHEA, *Fabricius*,

Illiger's Magaz. vi. p. 284 (1808).

1. Libythea Celtis.

Papilio (N. P.) Celtis, *Esper*, "alis angulato-dentatis, fuscis, maculis fulvis unicaque alba; posticis subtus griseis: habitat in *Celta australi* Europæ australioris." *Eur. Schmett.* i. pt. 2. pl. 87. figs. 2, 3 (1777).

Fabricius, Mant. Ins. p. 56. n. 556 (1787); *Ent. Syst.* iii. p. 140. n. 430 (1793).

South Europe. (Obtained 1841, from Herr J. J. Becker) B.M.

2. Libythea Carinenta.

Papilio (N. P.) Carinenta, *Cramer*, "alis falcatis, fuscis, flavo maculatis; anticis apice atris, maculis quatuor albis: habitat Surinami." *Pap. Exot.* ii. pl. 108. figs. E, F (1779).

Fabricius, Sp. Ins. p. 104. n. 455 (1781); *Mant. Ins.* p. 56. n. 554 (1787); *Ent. Syst.* iii. p. 139. n. 428 (1793).

Venezuela. (Obtained 1846, from Mr. Dyson) B.M.

Subfamily II. *NEMEOBIINÆ*, Bates,
Journ. Linn. Soc. ix. p. 412 (1868).

Genus 1. NEMEOBIUS, *Stephens*,
Ill. Haust. i. p. 28 (1828).

1. Nemeobius Lucina.

Papilio (N. P.) Lucina, *Linnæus*, "alis dentatis, fuscis, testaceo maculatis, subtus fasciis duabus macularum albidarum: habitat in Europæ graminibus."

Fabricius, Syst. Ent. p. 514. n. 303 (1775); *Sp. Ins.* p. 106. n. 464 (1781); *Mant. Ins.* p. 58. n. 566 (1787); *Ent. Syst.* iii. p. 250. n. 778 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

There is part of a specimen of *P. Lucina* in the Banksian Collection in the British Museum.

Genus 2. ZEMEROS, *Boisduval*,
Suit. Buff. i. pl. 5 c (1836).

1. Zemeros Flegyas.

Papilio (N. P.) Allica, *Fabricius* [Flegyas, *Cramer*], "alis dentatis, subconcoloribus obscure fulvis, punctis nigris numerosis albo fœtis: habitat in Siam." *Pap. Exot.* iii. pl. 280. figs. E, F (1782); *Donovan, Ins. Ind.* pl. 37. fig. 2 (1800).

Fabricius, Mant. Ins. p. 52. n. 510 (1787); *Ent. Syst.* iii. p. 244. n. 761 (1793).

Moulmein, East Indies. (Obtained 1843, from Archdeacon Clerk) B.M.

The type of *P. Allica* is in the Banksian Collection in the British Museum.

Genus 3. ABISARA, *Felder*,
Wien. ent. Monatschr. December 1860.

1. Abisara Gerontes.

Papilio (P. R.) Gerontes, *Fabricius*, "alis caudatis, nigris, macula communi transversa alba; anticis ocello, posticis geminato: habitat in Africa æquinoctiali." P. Baucis, *Drury, Ill.* iii. pl. 12. figs. 3, 4 (1782).

Fabricius, Sp. Ins. p. 117. n. 524 (1781); *Mant. Ins.* p. 68. n. 647 (1787); *Ent. Syst.* iii. p. 275. n. 64 (1793).

The type of *P. Gerontes* is in the Banksian Collection in the British Museum, and, excepting in the broad white central band, is very like *Sospita Tantalus* of Hewitson.

2. Abisara Haquinus.

♂. Papilio (F.) Haquinus, *Fabricius*, "alis subintegris, fuscis, subtus aurantiis, maculis cærulescenti-argenteis nigro notatis: habitat Tranquebariæ." Emesis Drupadi, *Horsfield, Cat. Lep. E. I. Comp.* pl. 2. figs. 3, 3*a–g* (1828–29).

Fabricius, Ent. Syst. iii. p. 55. n. 169 (1793).

Java. (Presented 1851, by Dr. Horsfield) B.M.

3. Abisara Echerius.

Papilio (F.) Odin, *Fabricius* [P. Echerius, *Stoll*], "alis integerrimis, uniangulatis, obscuris; posticis subtus utrinque pari punctorum atrorum subocellatorum: habitat in China." *Pap. Exot.* pl. 31. figs. 1, 1*a* (1791).

Papilio (H. R.) Coriolanus, *Fabricius*, "alis dentatis, caudatis, obscure cinereis, striga communi ferruginea: habitat in Indiis."

Fabricius, Ent. Syst. iii. pp. 56, 284, n. 175, 191 (1793).

Borneo (obtained 1867, collected by Mr. Lowe); Moulmein, East Indies (obtained 1843, from Archdeacon Clerk). B.M.

In the 'Genera of Diurnal Lepidoptera' *P. Coriolanus* is referred, with a query, to the genus *Thecla* (*Lycænidæ*); it is well figured by Mr. Jones in his unpublished 'Icones.'

Genus 4. EURYBIA, *Illiger*,
Wiedem. Archiv, 1. ii. p. 100 (1818).

1. Eurybia Salome.

Papilio (D. F.) Nicæus, *Fabricius* [P. Salome, *Cramer*], "alis integerrimis, fuscis; posticis supra fascia rubra marginali, punctis quinque nigris: habitat in India." *Pap. Exot.* i. pl. 12. figs. G, H (1775).

Fabricius, Syst. Ent. p. 482. n. 175 (1775); *Sp. Ins.* p. 57. n. 251 (1781); *Mant. Ins.* p. 28. n. 290 (1787); *Ent. Syst.* iii. p. 53. n. 163 (1793).

Pará, Lower Amazons. (Obtained 1845, from Mrs. J. P. G. Smith) B.M.

There are two worn specimens of *P. Salome* (labelled "*P. Nicæus*") in the Banksian Collection in the British Museum.

2. Eurybia Dardus.

Papilio (D.) Dardus, *Fabricius*, "alis integerrimis, fuscis; anticis utrinque ocello medio cyaneo; omnibus subtus strigis duabus ocellaribus: habitat Surinami." E. Upis, *Hübner, Samml. exot. Schmett.* ii. pl. 12. figs. 1–4 (1806).

Fabricius, Mant. Ins. p. 30. n. 324 (1787); *Ent. Syst.* iii. p. 156. n. 482 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

In the 'Genera of Diurnal Lepidoptera' the *P. Lamia* of Cramer (Pap. Exot. ii. pl. 150. fig. C) is regarded as synonymous with *P. Dardus*; the latter, however, differs from *P. Lamia* in having no brilliant blue reflection upon the posterior wings.

3. Eurybia? Constantius.

Papilio (N.) Constantius, *Fabricius*, "alis integerrimis, obscure cinereis, striga marginali punctorum fuscorum: habitat . . . ."
Fabricius, Ent. Syst. iii. p. 152. n. 468 (1793).

Not in the British Museum.

This species seems to come near to the species of *Eurybia*, but wants the conspicuous central ocellus of the anterior wings; it is figured in the unpublished 'Icones' of the late Mr. Jones.

Genus 5. MESOSEMIA, *Hübner*,
Verz. bek. Schmett. p. 20 (1816).

1. Mesosemia Menippus.

Papilio (P. U.) Menippus, *Fabricius*, "alis integerrimis, striatis, fuscis, fascia lata alba: habitat Surinami."
Fabricius, Gen. Ins. p. 272. n. 397, 398 (1776); *Sp. Ins.* p. 138. n. 640 (1781); *Mant. Ins.* p. 91. n. 827 (1787); *Ent. Syst.* iii. p. 353. n. 341 (1793).

This species is, in the 'Genera of Diurnal Lepidoptera,' referred to the genus *Pyrgus* (*Hesperidæ*); it seems, however, to be nothing more than a faded *Mesosemia*, probably *M. Sifia*, Boisd.; although we have the latter species only from Bogota, it is registered in the 'Genera' as coming from Brazil.

2. Mesosemia Ulrica.

♂. Papilio (P. R.) Ulricus (*sic*), *Fabricius* [P. Ulrica, *Cramer*], "alis integris, cæruleo nitidis, subtus basi brunneis; anticis ocello tripupillato: habitat Surinami." *Pap. Exot.* ii. pl. 100. figs. E, F (1779).
Fabricius, Sp. Ins. p. 127. n. 572 (1781); *Mant. Ins.* p. 82. n. 735 (1787); *Ent. Syst.* iii. p. 314. n. 187 (1793).

Ega, Upper Amazons. (Obtained 1857, collected by H. W. Bates, Esq.) B.M.

The *M. Machœra* of Hewitson may be the female of *P. Ulrica*; the under surface of the two insects and their general form are very similar; moreover we obtained both in the same collection.

3. Mesosemia Philocles.

Papilio (D. F.) Philocles, *Linnæus*, "alis integerrimis, fuscis;

subtus anticis ocello, posticis lineis transversis undatis: habitat in Indiis." *Clerck, Icon.* pl. 41. fig. 3 (1764).

Fabricius, Gen. Ins. p. 259. n. 189, 190 (1776); *Sp. Ins.* p. 64. n. 285 (1781); *Mant. Ins.* p. 31. n. 329 (1787); *Ent. Syst.* iii. p. 215. n. 674 (1793).

♂ ♀, Brazil. (Obtained in one collection) B.M.

The male of *P. Philocles* is roughly figured by Cramer (Pap. Exot. pl. 184. figs. D, E, nec F).

4. Mesosemia Rosina.

Papilio (D. F.) Renatus, *Fabricius* [P. Rosina, *Cramer*], "alis integerrimis, concoloribus nigris, fascia communi alba; anticis ocello tripupillato: habitat Surinami." *Pap. Exot.* iv. pl. 326. fig. B (1782).

Fabricius, Mant. Ins. p. 31. n. 330 (1787); *Ent. Syst.* iii. p. 216. n. 675 (1793).

Var. Villa Nova, Amazons. (Obtained 1855, collected by H. W. Bates, Esq.) B.M.

Cramer, on his pl. 326, figures *Euptychia Renatus* (fig. A), *Mesosemia Rosina* (fig. B), and *Mycalesis Francisca* (fig. E); Fabricius refers to fig. E, but describes fig. B under the name of fig. A.

5. Mesosemia Eumene.

Papilio (D. F.) Eumenes, *Fabricius* [P. Eumene, *Cramer*], "alis integerrimis, dimidiato fuscis; anticis utrinque ocello atro tripupillato: habitat in India occidentali." *Pap. Exot.* i. pl. 92. figs. F, G (1779).

Fabricius, Sp. Ins. p. 68. n. 307 (1781); *Mant. Ins.* p. 34. n. 357 (1787).

P. (S.) Eumenus, *Fabricius, Ent. Syst.* iii. p. 224. n. 702 (1793).

Ega, Upper Amazons. (Obtained 1857, collected by H. W. Bates, Esq.) B.M.

6. Mesosemia Crœsus.

♂. Papilio (D. F.) Crœsus, *Fabricius*, "alis integerrimis, cyaneis, strigis atris numerosis; anticis supra macula ocellari tripupillata: habitat Surinami."

Fabricius, Gen. Ins. p. 259. n. 189, 190 (1776); *Sp. Ins.* p. 64. n. 286 (1781); *Mant. Ins.* p. 31. n. 331 (1787); *Ent. Syst.* iii. p. 216. n. 676 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

The *M. Myonia* of Hewitson is probably the female of this species.

7. Mesosemia Geminus.

Hesperia (R.) Geminus, *Fabricius*, "alis rotundatis, cæruleis, limbo

atro, striga cærulea; posticis subtus fusco subfasciatis: habitat in America."

Fabricius, Ent. Syst. iii. p. 322. n. 220 (1793).

Brazil. (Obtained 1844) B.M.

8. **Mesosemia Ephyne.**

Papilio (D. F.) Ephynes, *Fabricius* [P. Ephyne, *Cramer*], "alis integerrimis, cæruleis purpureo fasciatis; anticis utrinque ocello, inferiore tripupillato: habitat Surinami." *Pap. Exot.* i. pl. 93. figs. E, F (1779).

Fabricius, Sp. Ins. p. 68. n. 308 (1781); *Mant. Ins.* p. 34. n. 357 (1787); *Ent. Syst.* iii. p. 224. n. 703 (1793).

Not in the British Museum.

P. Ephyne seems to be closely allied to *M. Misipsa* of Hewitson.

9. **Mesosemia Hyphea.**

Papilio (D. F.) Hypheus, *Fabricius* [P. Hyphea, *Cramer*], "alis integerrimis, concoloribus albis fusco fasciatis; anticis ocello atro, posticis cæcis: habitat in India occidentali." *Pap. Exot.* i. pl. 92. fig. C (1779).

Fabricius, Sp. Ins. p. 67. n. 305 (1781); *Mant. Ins.* p. 34. n. 355 (1787); *Ent. Syst.* iii. p. 223. n. 698 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

10. **Mesosemia Vanessa.**

Papilio (D.) Vanessa, *Fabricius*, "alis integerrimis, albis; anticis margine exteriore fusco punctoque atro; posticis fusco strigosis: habitat in America." *Donovan, Nat. Rep.* v. pl. 166 (1827).

Fabricius, Ent. Syst. iii. p. 192. n. 597 (1793).

Not in the British Museum.

P. Vanessa seems to come near to *P. Philemon* of Cramer.

11. **Mesosemia Philemon.**

Papilio (P.R.) Icarus, *Fabricius* [P. Philemon, *Cramer*], "alis integris, supra albis, fasciis fuscis, subtus fasciis albis nigrisque alternis: habitat Surinami." *Pap. Exot.* i. pl. 22. figs. G, H (1775).

Fabricius, Gen. Ins. p. 269. n. 348, 349 (1776); *Sp. Ins.* p. 124. n. 556 (1781); *Mant. Ins.* p. 77. n. 705 (1787); *Ent. Syst.* iii. p. 302. n. 146 (1793).

Ega, Upper Amazons. (Obtained 1856, collected by H. W. Bates, Esq.) B.M.

12. **Mesosemia Tullia.**

Papilio (D. F.) Tullius, *Fabricius*, "alis integerrimis, obscure

cinereis; anticis apice fuscis, utrinque ocello tripupillato: habitat Caiennæ."

Fabricius, Mant. Ins. p. 34. n. 359 (1787); *Ent. Syst.* iii. p. 224. n. 704 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

M. tenera, Westwood, is the Venezuelan form of this species. In the Museum specimens the third pupil of the ocellus is not indicated; the "*tripupillato*" of the description is probably due to Fabricius having described three *Mesosemiæ* consecutively, the first two tripupillated, the third bipupillated.

Genus 6. CREMNA, *Westwood*,
Gen. Diurn. Lepid. p. 456 (1851).

1. Cremna Actoris.

♀. Papilio (P. R.) Actoris, *Cramer*, "alis integerrimis, concoloribus fuscis, albo punctatis: habitat Surinami." *Pap. Exot.* i. pl. 93. fig. D (1779).

♂. Papilio (P. R.) Ceneus, *Cramer*, "alis integris, atris cæruleo undatis, margine albo punctato: habitat Surinami." *Pap. Exot.* ii. pl. 156. fig. F (1779).

Fabricius, Sp. Ins. pp. 124, 128, n. 554, 578 (1781).

P. Cineus (*sic*), *Fabricius, Mant. Ins.* pp. 77, 82, n. 703, 742 (1787); *Ent. Syst.* iii. pp. 302, 316, n. 144, 196 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

Subfamily III. *EURYGONINÆ*, Bates,
Journ. Linn. Soc. ix. p. 420 (1868).

Genus 1. EURYGONA, *Boisduval*,
Suit. Buff. i. pl. 3 A (1836).

1. Eurygona Euriteus.

Papilio (P. R.) Euriteus, *Cramer*, "alis integris, atris, macula cærulea, subtus medio rufis, fasciis albis: habitat Surinami." *Pap. Exot.* ii. pl. 152. figs. D, E (1779).

Fabricius, Sp. Ins. p. 129. n. 586 (1781); *Mant. Ins.* p. 83. n. 751 (1787); *Ent. Syst.* iii. p. 321. n. 216 (1793).

Pará, Upper Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

2. Eurygona Thucydides.

Papilio (H. R.) Thucydides, *Fabricius*, "alis integerrimis, nigris, macula disci fulva, subtus cinereis rufo undatis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 43. fig. 1 (1800).

Fabricius, Ent. Syst. iii. p. 323. n. 225 (1793).

Brazil. (Obtained from Mr. Children's collection) B.M.

3. Eurygona gemellus.

Papilio (H. R.) gemellus, *Fabricius*, "alis integerrimis, flavescentibus, limbo fusco; subtus albis, striga media lunulisque marginalibus sanguineis: habitat in Caienna." *Donovan, Nat. Rep.* iii. pl. 93 (1825).

Fabricius, Ent. Syst. iii. p. 319. n. 208 (1793).

The *P. Teleclus* of Stoll and the *E. Catoleuce* of Hübner have been considered synonyms of *P. gemellus*: it is certainly possible that Hübner's species may be the female of it; but *P. Teleclus* seems quite distinct; there is, however, very little difference between *P. gemellus* and *E. opalescens*.

Genus 2. METHONELLA, *Westwood*,

Gen. Diurn. Lepid. p. 533. n. 422 (1852).

1. Methonella Cæcilia.

Papilio (P. R.) Amyntor, *Fabricius* [P. Cæcilia, *Cramer*], "alis dentato-caudatis, atris, basi macula fulva, apice fascia flava: habitat in India." *Pap. Exot.* ii. pl. 159. figs. D, E (1779).

Fabricius, Sp. Ins. p. 121. n. 543 (1781); *Mant. Ins.* p. 71. n. 674 (1787); *Ent. Syst.* iii. p. 290. n. 109 (1793).

Local form. Pará, Lower Amazons. (Presented 1845, by Gordon Grahame, Esq.) B.M.

Subfamily IV. *ERYCININÆ*, Bates,

Journ. Linn. Soc. ix. p. 424 (1868).

Genus 1. NOTHEME, *Westwood*,

Gen. Diurn. Lepid. p. 262 (1851).

1. Notheme Eumeus.

Papilio (D. F.) Eumeus, *Fabricius*, "alis integerrimis, fuscis, fascia alba, posticarum utrinque terminante macula fulva: habitat in Caiennâ." Amblygonia Agathon, *Felder, Reise der Novara*, pl. 37. figs. 25, 26 (1865).

Var. Papilio (H. R.) Ouranus, *Cramer*, "alis integerrimis, concoloribus atris, fascia communi alba * macula sanguinea terminata: habitat Surinami." *Pap. Exot.* iv. pl. 305. fig. C (1782).

Fabricius, Sp. Ins. p. 63. n. 280 (1781); *Mant. Ins.* p. 30. n. 323 (1787); *Ent. Syst.* iii. pp. 156, 317, n. 200, 481 (1793).

Brazil. (Obtained 1848) B.M.

* Fulva.

Genus 2. PANARA, *Westwood*,

Gen. Diurn. Lepid. p. 442 (1851).

1. **Panara Phereclus.**

Papilio (P. R.) Phereclus, *Linnæus*, "alis integerrimis, concoloribus atris; anticis fascia lineari rubra: habitat in America." *Clerck, Icon.* pl. 45. fig. 4 (1864).

Fabricius, Syst. Ent. p. 529. n. 364 (1775); *Sp. Ins.* p. 129. n. 587 (1781); *Mant. Ins.* p. 83. n. 752 (1787).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

2. **Panará Thisbe.**

Papilio (P. R.) Thisbe, *Fabricius*, "alis integerrimis, concoloribus atris, fascia fulva: habitat Caiennæ." P. Jarbas, *Drury, Ill.* iii. pl. 8. fig. 2 (1782).

Fabricius, Sp. Ins. p. 310. n. 589 (1781); *Mant. Ins.* p. 83. n. 754 (1787).

P. (R.) perditus, *Fabricius, Ent. Syst.* iii. p. 323. n. 222 (1793).

Brazil (registered "*P. perditus*"). (From Mr. Children's Collection) B.M.

Genus 3. LYMNAS, *Blanchard*,

Anim. Artic. iii. p. 464 (1840).

1. **Lymnas Jarbas.**

Papilio (P. R.) Jarbas, *Fabricius*, "alæ omnes atræ, fascia flava, anticarum abbreviata, posticarum marginali; punctum baseos magnum sanguineum, punctoque apicis sanguineo: habitat Caiennæ." L. Melantho, *Ménétriés, Cat. Lep. Mus. St. Petersburg.* pl. 3. fig. 7, p. 93.

Fabricius, Mant. Ins. p. 83. n. 749 (1787).

P. (R.) Electron, *Fabricius, Ent. Syst.* iii. p. 321. n. 214 (1793).

Honduras and Venezuela. (Obtained 1845–46, from Mr. Dyson) B.M.

Genus 4. ERYCINA, *Fabricius*,

Illiger's Magaz. vi. p. 286 (1808).

1. **Erycina Melibæus.**

Papilio (P. U.) Melibæus, *Fabricius*, "alis caudatis, fuscis; anticis strigis, posticis duabus sanguineis, subtus cyaneo nitidissimis: habitat Surinami." P. Pyretus, *Cramer, Pap. Exot.* ii. pl. 144. figs. A, B (1779).

Fabricius, Gen. Ins. p. 271. n. 381, 382 (1776); *Sp. Ins.* p. 16. n. 65 (1781); *Mant. Ins.* p. 9. n. 75 (1787); *Ent. Syst.* iii. p. 29. n. 84 (1793).

Rio Negro, Amazons. (Obtained 1851, collected by A. R. Wallace, Esq.) B.M.

Genus 5. DIORINA, *Boisduval*, *Ann. Ent. Soc. France*, vi. p. 420 (1837).

1. Diorina Rhetus.

Papilio (E. A.) Licarsis (part.), *Fabricius*, "alis caudatis, atris, fasciis duabus albis, angulo ani rubro bimaculato: habitat Surinami." *Pap. Exot.* i. pl. 63. fig. C (1779).

Fabricius, Sp. Ins. p. 16. n. 64 (1781); *Mant. Ins.* p. 9. n. 73 (1787); *Ent. Syst.* iii. p. 28. n. 83 (1793).

Not in the British-Museum collection; it seems distinct from *P. Licarsis* of the 'Genera Insectorum,' and certainly has little in common with *P. Licursis* (sic) of the 'Systema Entomologiæ,' although Fabricius seems to have considered the two species to be identical.

2. Diorina Licarsis.

Papilio (P. U.) Licarsis, *Fabricius*, "alæ anticæ supra atræ, fasciis duabus albis, subtus concolores lineola punctoque baseos rubris; posticæ supra atræ, fasciis duabus obliquis albis, posteriore obsoleta, cauda elongata obtusa, punctis aliquot obsoletis albis, ad angulum ani puncta duo rubra, subtus concolores at inter maculas anales puncta duo parva cyanea: habitat Surinami." *Morisse, Annales Soc. Ent. France*, vi. pl. 14. figs. 1, 2.

Fabricius, Gen. Ins. p. 271. n. 381 (1776).

Brazil (two specimens). B.M.

Genus 6. ZEONIA, *Swainson*, *Zool. Ill.* ii. ser. 3. p. 111 (1833).

1. Zeonia Faunus.

Papilio (P. U.) Faunus, *Fabricius*, "alis caudatis, hyalinis, margine strigaque nigris: habitat in Indiis."

Papilio (E. A.) Octavius, *Fabricius*, "margine strigaque rubris" [misprint]. Zeonia Heliconides, *Swainson, Zool. Ill.* 2nd ser. pl. 3 (1833).

Fabricius, Syst. Ent. p. 532. n. 380 (1775); *Sp. Ins.* p. 16. n. 63 (1781).

P. Octavius, *Fabricius, Mant. Ins.* p. 9. n. 72 (1787); *Ent. Syst.* iii. p. 28. n. 82 (1793).

Brazil. (Obtained 1851) B.M.

2. Zeonia Licursis.

Papilio (P. U.) Licursis, *Fabricius*, "alæ nigræ, fasciis duabus obliquis, hyalinis, cauda longissima, maculis duabus parvis rubris ad angulum ani: habitat in Indiis." ? Z. Xantippe, *G. R. Gray, Gen. Diurn. Lepid.* pl. 72. fig. 4 (1851).

Fabricius, Syst. Ent. p. 532. n. 381 (1775).

Id. ? Brazil. (Obtained 1840, from Mr. Children's collection) B.M.

The description of *P. Licursis* applies exactly to *Z. Xantippe*; the difference of locality cannot be much depended upon.

Genus 7. MONETHE, *Westwood*,
Gen. Diurn. Lepid. p. 462 (1851).

1. Monethe Alphonsus.

Hesperia (R.) Alphonsus, *Fabricius*, "alis integerrimis, atris; anticis maculis duabus, posticis unica baseos, flavis: habitat Surinami."
Fabricius, Ent. Syst. iii. p. 308. n. 171 (1793).

Rio Janeiro. (Obtained 1850) B.M.

2. Monethe ? Helius.

Papilio (P. U.) Helius, *Cramer*, "alis subdivaricatis, fuscis; posticis margine interiore fulvis: habitat Surinami." *Pap. Exot.* iii. pl. 198. fig. B (1781 ?).
Fabricius, Sp. Ins. p. 132 n. 602 (1781); *Mant. Ins.* p. 85. n. 771 (1787); *Ent. Syst.* iii. p. 329. n. 248 (1793).

Not in the British-Museum collection.

Genus 8. RODINIA, *Westwood*,
Gen. Diurn. Lepid. p. 430 (1851).

1. Rodinia Lysippus.

Papilio (P. R.) Lysippus, *Linnæus*, "alis angulatis, fuscis, omnibus striga rubra; subtus cinereo punctatis: habitat in America." *Clerck, Icon.* pl. 22. fig. 2 (1764).
Fabricius, Syst. Ent. p. 529. n. 365 (1775); *Sp. Ins.* p. 129. n. 588 (1781); *Mant. Ins.* p. 83. n. 753 (1787); *Ent. Syst.* iii. p. 321. n. 216 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

Genus 9. AMARYNTHIS, *Hübner*,
Verz. bek. Schmett. p. 26 (1816).

1. Amarynthis Mæcenas.

♀. Hesperia (R.) Mæcenas, *Fabricius*, "alis oblongis, concoloribus nigris, fascia communi lineolaque anticarum sanguineis: habitat in insula Guadeloupe."
Fabricius, Ent. Syst. iii. p. 306. n. 160 (1793).

Not in the British-Museum collection.

P. Mæcenas seems to differ from the *P. Meneria* of South America in having no white spots upon the upper surface of the wings.

Genus 10. HELICOPIS, *Fabricius*.

Dalman's Magaz. vi. p. 285 (1808).

1. **Helicopis Endymion.**

Papilio P. R. Endymion, *Fabricius* (P. Endymion, *Cramer*), "alis sexdentato-caudatis, albis, limbo nigro, posticis subtus maculis argenteis: habitat Surinami." *Pap. Exot.* iii. pl. 244. figs. C–F (1782).

Fabricius, Sp. Ins. app. p. 514 (1782).

P. P. R. Cupido, *Fabricius, Mant. Ins.* p. 64. n. 467 (1787); *Ent. Syst.* iii. p. 252. n. 1 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith.) B.M.

2. **Helicopis Cupido.**

Papilio P. R. Cupido, *Linnæus*, "alis posticis sexdentato-caudatis: subtus albidis, maculis argenteis: habitat in *Guinea* Americæ." *Petiver, Gazophylacium*, i. pl. 11. fig. 2 (1702).

Fabricius, Syst. Ent. p. 513. n. 339 (1775); *Sp. Ins.* p. 112. n. 499 (1781); *Mant. Ins.* p. 64. n. 466 (1787); *Ent. Syst.* iii. p. 252. n. 1 (1793).

Brazil. (Obtained 1840, from Mr. Children's collection.) B.M.

There is one specimen of *P. Cupido* in the Banksian Collection in the British Museum.

Genus 11. ANTEROS, *Hübner*.

Verz. bek. Schmett. p. 77 (1816).

1. **Anteros Formosus.**

Papilio (P. R.) Formosus, *Cramer*, "alis bicaudatis, fuscis: subtus flavescentibus sanguineo auroque maculatis: habitat Surinami." *Pap. Exot.* ii. pl. 118. fig. G (1779).

Papilio (P. R.) Cresus, *Fabricius*, "alis caudatis, fuscis; subtus flavescentibus maculis rubris auro fretis: habitat Surinami."

Fabricius, Sp. Ins. p. 117. n. 518, 522 (1781).

P. Valens, *Fabricius, Mant. Ins.* p. 67. n. 639, 644 (1787); *Ent. Syst.* pp. 273, 274, n. 55, 60 (1793).

Santarem, Lower Amazons. (Obtained 1853, collected by H. W. Bates, Esq.) B.M.

2. **Anteros Archæus.**

Papilio (H. R.) Archæus, *Cramer*, "alis subbicaudatis, fuscis, maculis flavis; subtus flavis auro maculatis: habitat in India." *Pap. Exot.* iv. pl. 352. figs. G, H (1781); P. Achæus (*sic*), *Donovan, Ins. Ind.* pl. 41. fig. 4 (1800).

Fabricius, Ent. Syst. iii. p. 273. n. 53 (1793).

Tabatinga, Upper Amazons. (Obtained 1858, collected by H. W. Bates, Esq.) B.M.

Donovan's figure of this species is better than Cramer's.

Genus 12. EMESIS, *Fabricius*,
Illiger's Magaz. vi. p. 287 (1808).

1. **Emesis Dyndima.**

♀. Papilio (D. F.) Lassus, *Fabricius* [P. Dyndima, *Cramer*], "alis integerrimis, fuscis, strigis nigris; anticis macula marginali alba; subtus pallidis, strigis plurimis fasciaque postica fuscis: habitat Caiennæ." *Pap. Exot.* iii. pl. 271. figs. G, H (1782).

Fabricius, Mant. Ins. p. 26. n. 269 (1787); *Ent. Syst.* iii. p. 44. n. 133 (1793).

Brazil. (From Mr. Children's collection) B.M.

2. **Emesis Lucinda.**

Papilio (D. F.) Lucinda, *Cramer*, "alis integerrimis, nigro fasciatis; supra cæruleis, subtus fulvis: habitat Surinami." *Pap. Exot.* i. pl. 1. figs. E, F (1775).

Fabricius, Gen. Ins. p. 258. n. 184, 185 (1776).

P. Lucindus (*sic*), *Fabricius, Sp. Ins.* p. 62. n. 277 (1781); *Mant. Ins.* p. 30. n. 319 (1787); *Ent. Syst.* iii. p. 154. n. 476 (1793).

Pará, Lower Amazons. (Obtained 1851, collected by H. W. Bates, Esq.) B.M.

There is one specimen of *P. Lucinda* in the Banksian Collection.

3. **Emesis Mandana.**

Papilio (F.) Polymenus, *Fabricius* [P. Mandana, *Cramer*], "alis integerrimis, ferrugineo-fuscis, nigro punctatis; subtus flavescentibus, fusco undatis: habitat Surinami." *Pap. Exot.* iii. pl. 271. figs. E, F (1782).

Fabricius, Ent. Syst. iii. p. 54. n. 166 (1793).

Santarem, Lower Amazons. (Obtained 1853, collected by H. W. Bates, Esq.) B.M.

This species is well figured in Jones's unpublished 'Icones.'

4. **Emesis Arminius.**

Papilio (N.) Arminius, *Fabricius*, "alis integris, concoloribus fulvis, lunulis punctisque rufescentibus: habitat . . . . ."

Fabricius, Ent. Syst. iii. p. 155. n. 478 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

This species is well represented in the unpublished 'Icones' of the late Mr. Jones.

Genus 13. SYMMACHIA, *Hübner*,

Verz. bek. Schmett. p. 25 (1816).

1. Symmachia Menetas.

Hesperia (R.) Tacitus, *Fabricius* [P. Menetas, *Drury*], "alis integerrimis, fulvis; anticis margine exteriore atro, flavo maculato: habitat Surinami." *Donovan, Nat. Rep.* iv. pl. 134 (1826).

Fabricius, Ent. Syst. iii. p. 308. n. 168 (1793).

Brazil. (Obtained 1851) B.M.

2. Symmachia Plutargus.

Hesperia (U.) Plutargus, *Fabricius*, "alis integerrimis, fuscis, auro irroratis; anticis supra macula apicis, subtus margine exteriore testaceis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 48. fig. 3 (1800).

Fabricius, Ent. Syst. iii. p. 329. n. 251 (1793).

Rio Janeiro. (Obtained 1850) B.M.

3. Symmachia Ovidius.

Hesperia (R.) Ovidius, *Fabricius*, "alis integerrimis, auro punctatis; supra fulvis, subtus flavescentibus: habitat in Indiis." *Donovan, Ins. Ind.* pl. 46. fig. 7 (1800).

Fabricius, Ent. Syst. iii. p. 320. n. 212 (1793).

Villa Nova, Amazons. (Obtained 1855, collected by H. W. Bates, Esq.) B. M.

This species is well figured in Jones's 'Icones.'

4. Symmachia Domitianus.

Hesperia (R.) Domitianus, *Fabricius*, "alis integris, fuscis; anticis macula, posticis striga viridibus; subtus brunneis, punctis strigaque marginali argenteis: habitat in Guadeloupe."

Fabricius, Ent. Syst. iii. p. 315. n. 193 (1793).

Venezuela. (Obtained 1846, from Mr. Dyson) B.M.

Genus 14. MESENE, *Westwood*,

Gen. Diurn. Lepid. p. 441 (1851).

1. Mesene Epaphus.

Papilio (P. R.) Phareus (part.), *Fabricius* [P. Epaphus, *Cramer*], *Pap. Exot.* iv. pl. 335. figs. D, E (1782).

Fabricius, Mant. Ins. p. 79. n. 722 (1787).

Pará, Lower Amazons. (Obtained 1852, collected by H. W. Bates, Esq.) B.M.

2. Mesene Sagaris.

Papilio (P. R.) Sagaris, *Cramer*, "alis integerrimis, atris, macula

communi transversali fulva: habitat Surinami." *Pap. Exot.* i. pl. 83. fig. D (1779).

Fabricius, Sp. Ins. p. 129. n. 585 (1781); *Mant. Ins.* p. 83. n. 750 (1787); *Ent. Syst.* iii. p. 321. n. 215 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

3. **Mesene Phareus.**

Papilio (P. R.) Phareus, *Cramer*, "alis integerrimis, subconcoloribus rubris, limbo nigro: habitat Surinami." *Pap. Exot.* ii. pl. 170. fig. 6 (1779).

Fabricius, Sp. Ins. p. 126. n. 567 (1781); *Ent. Syst.* iii. p. 308. n. 167 (1793).

Pará, Lower Amazons. (Obtained 1845, from Mrs. J. P. G. Smith) B.M.

4. **Mesene Florus.**

Papilio (H. R.) Florus, *Fabricius*, "alis integerrimis, fulvis, margine nigro, subtus basi nigro punctatis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 39. fig. 4 (1800).

Fabricius, Ent. Syst. iii. p. 310. n. 176 (1793).

Brazil. (Obtained 1848) B.M.

The red-lead used in colouring some copies of Donovan's 'India' has gone quite brown, so that the figure is scarcely recognizable; the species is naturally of a bright fulvous-orange colour, with a black border and several basal black points on the under surface of the wings. *P. Florus* is referred with doubt to the genus *Lycæna* in the 'Genera of Diurnal Lepidoptera.'

5. **Mesene Thelephus.**

Papilio (P. R.) Thelephus, *Cramer*, "alis integerrimis, nigris; anticis albo punctatis, posticis supra basi rufis; subtus cæruleis nigro variis: habitat in America." *Pap. Exot.* i. pl. 66. figs. E, F (1779).

Fabricius, Sp. Ins. p. 124. n. 560 (1781).

P. Tilephus (*sic*), *Fabricius, Mant. Ins.* p. 78. n. 710 (1787).

P. Telephus (*sic*), *Fabricius, Ent. Syst.* iii. p. 304. n. 153 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

Genus 15. CHARIS, *Hübner*,

Verz. bek. Schmett. p. 21 (1816).

1. **Charis Avius.**

Papilio (P. R.) Avius, *Cramer*, "alis integris, concoloribus fuscis, strigis duabus apicis cæruleis: habitat in India occidentali." *Pap. Exot.* i. pl. 92. fig. B (1779).

Fabricius, Sp. Ins. p. 124 (1781); *Mant. Ins.* p. 77. n. 701 (1787).

[illegible] *Fabricius Ent. Syst.* iii. p. [illegible] n. [illegible]

Readiana [illegible] from Mr. Dyson B.M.

2. Charis Cyna.

Papilio P. L. *Cyna*, *Cramer*, "alis integerrimis fuscis: subtus [illegible] strigis punctisque albis [illegible]." *Pap. Exot.* i. pl. 22. figs. B, C (1779).

Papilio P. L. *Anaxina*, *Cramer*, "alis integerrimis fuscis immaculatis, subtus strigis punctisque albis fuscis: [illegible]." *Pap. Exot.* iv. pl. 39. figs. A, B (1782).

Fabricius, Sp. Ins. i. p. [illegible] n. [illegible] (1781); *Mant. Ins.* ii. p. [illegible] n. [illegible] (1787); *Ent. Syst.* iii. p. 242. n. 262 (1793).

Peru, Lower Amazons. [illegible] collected by H. W. Bates, Esq. B.M.

P. Cyna is the type of Hübner's genus *Charis*.

3. Charis? pygmæa.

Papilio P. L. Talus, Fabricius P. pygmæa, Cramer, "alis integerrimis, fuscis, ocellorum lunula fusca unipupillata albovirente: lunula ocellaris." *Pap. Exot.* i. pl. 7. figs. C, D (1775).

Fabricius, Sp. Ins. p. 125. n. 580 (1781); *Mant. Ins.* p. 93. n. 760 (1787); *Ent. Syst.* iii. p. 242. n. 262 (1793).

Not in the British Museum.

In Cramer's description of *P. pygmæa* he says, "Ce petit Papillon a les taches des ailes inférieures tout à tour d'un bleu fincé brillant." *Fabricius* describes it quite [illegible].

4. Charis Flegia.

Papilio (S. P.) Flegia, Fabricius, "alis dentatis, cæruleoribus fulvis, posticis cæruleis fascia: habitat Cayennæ." ? Lemonias Cæcina, *Felder, Nov. Voy.* ii. pl. 37. figs. 7, 8.

Fabricius, Mant. Ins. p. 51. n. 397 (1787); *Ent. Syst.* iii. p. 244. n. 769 (1793).

Not in the British Museum.

Genus 16. BÆOTIS, *Hübner*,
Verz. bek. Schmett. p. 21 (1816).

1. Bæotis regulus.

Hesperia (B.) regulus, *Fabricius*, "alis integerrimis, nigris, fasciis duabus flavis, posticæ anticarum interrupta: habitat in Indiis." *Donovan, Ins. Ind.* pl. 43. fig. 3 (1800).

Fabricius, Ent. Syst. iii. p. 318. n. 205 (1793).

Pará, Lower Amazons. (Obtained 1851, collected by H. W. Bates, Esq.) B.M.

2. Bæotis Hisbon.

Papilio (P. R.) Hisbon, *Cramer*, "alis integerrimis, atris; fasciis tribus flavescentibus, postica abbreviata: habitat in India occidentali." *Pap. Exot.* i. pl. 83. fig. C (1779).

Fabricius, Sp. Ins. p. 129. n. 584 (1781); *Mant. Ins.* p. 83. n. 784 (1787); *Ent. Syst.* iii. p. 318. n. 206 (1793).

Rio Janeiro. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

There is a good figure of an allied species, as *P. Hisbon*, in the unpublished 'Icones' of Mr. Jones.

Genus 17. METACHARIS, *Butler*,
Ent. Month. Mag. iii. p. 174 (1867).

1. Metacharis Ptolomæus.

♂. Papilio (H. R.) Ptolomæus, *Fabricius*, "alis integerrimis, ferrugineis, fusco strigosis; subtus cæruleis, basi pallidioribus: habitat in Indiis." *Donovan, Ins. Ind.* pl. 46. fig. 6 (1800).

Fabricius, Ent. Syst. iii. p. 319. n. 209 (1793).

Brazil. (Obtained 1851) B.M.

2. Metacharis Lucius.

♀. Papilio (H. R.) Lucius, *Fabricius*, "alis integerrimis, subconcoloribus fulvis, nigro undatis: habitat in Indiis."

Fabricius, Ent. Syst. iii. p. 320. n. 211 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

The unpublished 'Icones' of Mr. Jones show this to be distinct from *P. Ptolomæus*, and identical with *L. Nicaste* of Herrich-Schäffer.

Genus 18. THAROPS, *Hübner*,
Verz. bek. Schmett. p. 109 (1816).

1. Tharops Pretus.

Papilio (P. U.) Pretus, *Cramer*, "alis subcaudatis, atris viridi maculatis; subtus subferrugineis, flavo maculatis: habitat ad Cap. bon. spei." *Pap. Exot.* ii. pl. 182. figs. C, D (1779).

Fabricius, Sp. Ins. p. 133. n. 610 (1781); *Mant. Ins.* p. 86. n. 783 (1787); *Ent. Syst.* iii. p. 333. n. 266 (1793).

Pará, Lower Amazons. (Obtained 1851, collected by H. W. Bates, Esq.) B.M.

2. Tharops Hebrus.

Papilio (P. R.) Hebrus, *Cramer*, "alis integris, fuscis, cæruleo

variis; posticis cæruleis, margine interiore albo: habitat Surinami." *Pap. Exot.* i. pl. 59. figs. E, F (1779).

Fabricius, Sp. Ins. p. 123. n. 552 (1787); *Mant. Ins.* p. 77. n. 709 (1787); *Ent. Syst.* iii. p. 301. n. 141 (1793).

In the collection of Osbert Salvin, Esq., from Cayenne.

In his Catalogue of *Erycinidæ* (Journ. Linn. Soc. 1868) Mr. Bates has ranked the *L. Ion* of Westwood as a mere variety of *P. Hebrus*; the differences between the two forms, however, seem to be constant, and quite sufficient to distinguish them by.

Genus 19. LEMONIAS, *Westwood*, *Gen. Diurn. Lepid.* p. 457 (1851).

1. Lemonias Lucianus.

♂. Papilio (H. R.) Lucianus, *Fabricius*, "alis integerrimis, nigro punctatis, supra fulvis, subtus cinereis: habitat in insula Guadeloupe." ♀, Nepia, *Hewitson, Gen. Diurn. Lepid.* pl. 73. fig. 2 (1851); ♂, *Butler, Journ. Linn. Soc.* ix. *Zool.* pl. 6. fig. 11 (1867).

Fabricius, Ent. Syst. iii. p. 313. n. 185 (1793).

♂ ♀, Venezuela. (Obtained 1846, from Mr. Dyson) B.M.

The *L. Lucianus* of Hübner, as shown by Mr. Bates, is quite distinct from the Fabrician species, and represents two distinct insects (*L. melanogyra*, Bates, and *L. Nepioides*, Butler); the latter species differs in both sexes from Westwood's *L. pseudolonginus*, of which Mr. Bates has made it a synonym.

2. Lemonias Emylius.

♀. Papilio (P. R.) Emylius, *Cramer*, "alis integerrimis, nigris, albo punctatis; anticis fascia flava, omnibus subtus variegatis: habitat Surinami." *Pap. Exot.* i. pl. 66. figs. G, H (1779).

Fabricius, Sp. Ins. p. 125. n. 561 (1781); *Mant. Ins.* p. 78. n. 711 (1787); *Ent. Syst.* iii. p. 305. n. 154 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

P. crispus of Cramer (the ♂ of *P. Emylius*) appeared in the second volume of the 'Papiliones' (ii. pl. 118. f. D, E), and will therefore sink into a synonym.

3. Lemonias Petronius.

Papilio (H. R.) Petronius, *Fabricius*, "alis integerrimis, cæruleis, nigro strigosis; subtus fusco cinereis, nigro punctatis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 43. fig. 2 (1800).

Fabricius, Ent. Syst. iii. p. 324. n. 227 (1793).

This may possibly be a species of *Lasaia* near to *L. Meris*; the under surface (as well as the upper surface), however, is figured by

Mr. Jones in his 'Icones,' and somewhat resembles *Lemonias Thara* of Hewitson, to which it is more probably allied. In Jones's figures the wings are much less elongated than in that of Donovan.

Genus 20. APODEMIA, *Felder*,
Reise d. Nov. Zool. ii. Abth. 2. p. 302.

1. Apodemia Epulus.

Papilio (P. R.) Epulus, *Cramer*, "alis integerrimis, fuscis, fulvo maculatis, subtus variegatis: habitat Surinami." *Pap. Exot.* i. pl. 50. figs. C, D (1779).

Fabricius, Sp. Ins. p. 122. n. 548 (1781); *Mant. Ins.* p. 71. n. 680 (1787); *Ent. Syst.* iii. p. 292. n. 117 (1793).

Race. Papilio (H. R.) Zachæus, *Fabricius*, "alis integerrimis, fulvis, nigro maculatis; posticis subtus fusco alboque variis: habitat Caiennæ."

Fabricius, Ent. Syst. suppl. p. 431. n. 231, 232 (1798).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

In 'the Genera of Diurnal Lepidoptera' *P. Zachæus* is referred to the genus *Mesene*.

Genus 21. CALOSPILA, *Westwood*,
Gen. Diurn. Lepid. p. 458 (1851).

1. Calospila Æmulius.

Papilio (H. R.) Æmulius, *Fabricius*, "alis integerrimis, cinereis, fusco alboque maculatis; posticis supra pallidis, subtus omnibus fusco punctatis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 44. fig. 2 (1800); Desmozona hemixanthe, *Felder, Nov. Voy.* ii. pl. 37. figs. 17, 18.

Fabricius, Ent. Syst. iii. p. 322. n. 219 (1793).

Brazil. (Obtained 1844, from H. Lowe, Esq.) B.M.

2. Calospila Penthea.

Papilio (P. R.) Pentheus (*sic*), *Fabricius* [P. Penthea, *Cramer*], "alis integris, fulvis, nigro maculatis; posticis apice albis, nigro punctatis: habitat Surinami." *Pap. Exot.* ii. pl. 163. fig. E (1779).

Fabricius, Sp. Ins. p. 127. n. 571 (1781); *Mant. Ins.* p. 82. n. 734 (1787); *Ent. Syst.* iii. p. 314. n. 186 (1793).

Pará, Lower Amazons. (Obtained 1851, collected by H. W. Bates, Esq.) B.M.

Genus 22. ANATOLE, *Hübner*,
Verz. bek. Schmett. p. 24 (1816).

1. Anatole Nepos.

Papilio (H.) Nepos, *Fabricius*, "alis rotundatis, nigris; anticis albo

Genus 5. DIORINA, *Boisduval*,
Ann. Ent. Soc. France, vi. p. 420 (1837).

1. Diorina Rhetus.

Papilio (E. A.) Licarsis (part.), *Fabricius*, "alis caudatis, atris, fasciis duabus albis, angulo ani rubro bimaculato: habitat Surinami." *Pap. Exot.* i. pl. 63. fig. C (1779).

Fabricius, Sp. Ins. p. 16. n. 64 (1781); *Mant. Ins.* p. 9. n. 73 (1787); *Ent. Syst.* iii. p. 28. n. 83 (1793).

Not in the British-Museum collection; it seems distinct from *P. Licarsis* of the 'Genera Insectorum,' and certainly has little in common with *P. Licursis* (sic) of the 'Systema Entomologiæ,' although Fabricius seems to have considered the two species to be identical.

2. Diorina Licarsis.

Papilio (P. U.) Licarsis, *Fabricius*, "alæ anticæ supra atræ, fasciis duabus albis, subtus concolores lineola punctoque baseos rubris; posticæ supra atræ, fasciis duabus obliquis albis, posteriore obsoleta, cauda elongata obtusa, punctis aliquot obsoletis albis, ad angulum ani puncta duo rubra, subtus concolores at inter maculas anales puncta duo parva cyanea: habitat Surinami." *Morisse, Annales Soc. Ent. France*, vi. pl. 14. figs. 1, 2.

Fabricius, Gen. Ins. p. 271. n. 381 (1776).

Brazil (two specimens). B.M.

Genus 6. ZEONIA, *Swainson*,
Zool. Ill. ii. ser. 3. p. 111 (1833).

1. Zeonia Faunus.

Papilio (P. U.) Faunus, *Fabricius*, "alis caudatis, hyalinis, margine strigaque nigris: habitat in Indiis."

Papilio (E. A.) Octavius, *Fabricius*, "margine strigaque rubris" [misprint]. Zeonia Heliconides, *Swainson, Zool. Ill.* 2nd ser. pl. 3 (1833).

Fabricius, Syst. Ent. p. 532. n. 380 (1775); *Sp. Ins.* p. 16. n. 63 (1781).

P. Octavius, *Fabricius, Mant. Ins.* p. 9. n. 72 (1787); *Ent. Syst.* iii. p. 28. n. 82 (1793).

Brazil. (Obtained 1851) B.M.

2. Zeonia Licursis.

Papilio (P. U.) Licursis, *Fabricius*, "alæ nigræ, fasciis duabus obliquis, hyalinis, cauda longissima, maculis duabus parvis rubris ad angulum ani: habitat in Indiis." ? Z. Xantippe, *G. R. Gray, Gen. Diurn. Lepid.* pl. 72. fig. 4 (1851).

Fabricius, Syst. Ent. p. 532. n. 381 (1775).

Id. ? Brazil. (Obtained 1840, from Mr. Children's collection) B.M.

The description of *P. Licursis* applies exactly to *Z. Xantippe*; the difference of locality cannot be much depended upon.

Genus 7. MONETHE, *Westwood*,
Gen. Diurn. Lepid. p. 462 (1851).

1. Monethe Alphonsus.

Hesperia (R.) Alphonsus, *Fabricius*, "alis integerrimis, atris; anticis maculis duabus, posticis unica baseos, flavis: habitat Surinami."
Fabricius, Ent. Syst. iii. p. 308. n. 171 (1793).

Rio Janeiro. (Obtained 1850) B.M.

2. Monethe ? Helius.

Papilio (P. U.) Helius, *Cramer*, "alis subdivaricatis, fuscis; posticis margine interiore fulvis: habitat Surinami." *Pap. Exot.* iii. pl. 198. fig. B (1781 ?).
Fabricius, Sp. Ins. p. 132 n. 602 (1781); *Mant. Ins.* p. 85. n. 771 (1787); *Ent. Syst.* iii. p. 329. n. 248 (1793).

Not in the British-Museum collection.

Genus 8. RODINIA, *Westwood*,
Gen. Diurn. Lepid. p. 430 (1851).

1. Rodinia Lysippus.

Papilio (P. R.) Lysippus, *Linnæus*, "alis angulatis, fuscis, omnibus striga rubra; subtus cinereo punctatis: habitat in America." *Clerck, Icon.* pl. 22. fig. 2 (1764).
Fabricius, Syst. Ent. p. 529. n. 365 (1775); *Sp. Ins.* p. 129. n. 588 (1781); *Mant. Ins.* p. 83. n. 753 (1787); *Ent. Syst.* iii. p. 321. n. 216 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

Genus 9. AMARYNTHIS, *Hübner*,
Verz. bek. Schmett. p. 26 (1816).

1. Amarynthis Mæcenas.

♀. Hesperia (R.) Mæcenas, *Fabricius*, "alis oblongis, concoloribus nigris, fascia communi lineolaque anticarum sanguineis: habitat in insula Guadeloupe."
Fabricius, Ent. Syst. iii. p. 306. n. 160 (1793).

Not in the British-Museum collection.

P. Mæcenas seems to differ from the *P. Meneria* of South America in having no white spots upon the upper surface of the wings.

Genus 10. HELICOPIS, *Fabricius*,
Illiger's Magaz. vi. p. 285 (1808).

1. **Helicopis Endymion.**

Papilio (P. R.) Acis, *Fabricius* [P. Endymion, *Cramer*], "alis sexdentato-caudatis, albis, limbo atro, posticis subtus maculis argenteis: habitat Surinami." *Pap. Exot.* iii. pl. 244. figs. C–F (1782).

Fabricius, Sp. Ins. app. p. 504 (1782).

P. (P. R.) Gnidus, *Fabricius, Mant. Ins.* p. 64. n. 607 (1787); *Ent. Syst.* iii. p. 258. n. 1 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

2. **Helicopis Cupido.**

Papilio (P. R.) Cupido, *Linnæus*, "alis posticis sexdentato-caudatis; subtus albidis, maculis argenteis: habitat in *Gossypio* Americes." *Petiver, Gazophylacium*, i. pl. 10. fig. 9 (1702).

Fabricius, Syst. Ent. p. 518. n. 320 (1775); *Sp. Ins.* p. 112. n. 488 (1781); *Mant. Ins.* p. 64. n. 606 (1787); *Ent. Syst.* iii. p. 258. n. 1 (1793).

Brazil. (Obtained 1840, from Mr. Children's collection) B.M.

There is one specimen of *P. Cupido* in the Banksian Collection in the British Museum.

Genus 11. ANTEROS, *Hübner*,
Verz. bek. Schmett. p. 77 (1816).

1. **Anteros Formosus.**

Papilio (P. R.) Formosus, *Cramer*, "alis bicaudatis, fuscis; subtus flavescentibus sanguineo auroque maculatis: habitat Surinami." *Pap. Exot.* ii. pl. 118. fig. G (1779).

Papilio (P. R.) Crœsus, *Fabricius*, "alis caudatis, fuscis; subtus flavescentibus maculis rubris auro fœtis: habitat Surinami."

Fabricius, Sp. Ins. p. 117. n. 518, 522 (1781).

P. Valens, *Fabricius, Mant. Ins.* p. 67. n. 639, 644 (1787); *Ent. Syst.* pp. 273, 274, n. 55, 60 (1793).

Santarem, Lower Amazons. (Obtained 1853, collected by H. W. Bates, Esq.) B.M.

2. **Anteros Archæus.**

Papilio (H. R.) Archæus, *Cramer*, "alis subbicaudatis, fuscis, maculis flavis; subtus flavis auro maculatis: habitat in India." *Pap. Exot.* iv. pl. 352. figs. G, H (1781); P. Achæus (*sic*), *Donovan, Ins. Ind.* pl. 41. fig. 4 (1800).

Fabricius, Ent. Syst. iii. p. 273. n. 53 (1793).

Tabatinga, Upper Amazons. (Obtained 1858, collected by H. W. Bates, Esq.) B.M.

Donovan's figure of this species is better than Cramer's.

Genus 12. EMESIS, *Fabricius*,

Illiger's Magaz. vi. p. 287 (1808).

1. Emesis Dyndima.

♀. Papilio (D. F.) Lassus, *Fabricius* [P. Dyndima, *Cramer*], "alis integerrimis, fuscis, strigis nigris; anticis macula marginali alba; subtus pallidis, strigis plurimis fasciaque postica fuscis: habitat Caiennæ." *Pap. Exot.* iii. pl. 271. figs. G, H (1782).

Fabricius, Mant. Ins. p. 26. n. 269 (1787); *Ent. Syst.* iii. p. 44. n. 133 (1793).

Brazil. (From Mr. Children's collection) B.M.

2. Emesis Lucinda.

Papilio (D. F.) Lucinda, *Cramer*, "alis integerrimis, nigro fasciatis; supra cæruleis, subtus fulvis: habitat Surinami." *Pap. Exot.* i. pl. 1. figs. E, F (1775).

Fabricius, Gen. Ins. p. 258. n. 184, 185 (1776).

P. Lucindus (*sic*), *Fabricius, Sp. Ins.* p. 62. n. 277 (1781); *Mant. Ins.* p. 30. n. 319 (1787); *Ent. Syst.* iii. p. 154. n. 476 (1793).

Pará, Lower Amazons. (Obtained 1851, collected by H. W. Bates, Esq.) B.M.

There is one specimen of *P. Lucinda* in the Banksian Collection.

3. Emesis Mandana.

Papilio (F.) Polymenus, *Fabricius* [P. Mandana, *Cramer*], "alis integerrimis, ferrugineo-fuscis, nigro punctatis; subtus flavescentibus, fusco undatis: habitat Surinami." *Pap. Exot.* iii. pl. 271. figs. E, F (1782).

Fabricius, Ent. Syst. iii. p. 54. n. 166 (1793).

Santarem, Lower Amazons. (Obtained 1853, collected by H. W. Bates, Esq.) B.M.

This species is well figured in Jones's unpublished 'Icones.'

4. Emesis Arminius.

Papilio (N.) Arminius, *Fabricius*, "alis integris, concoloribus fulvis, lunulis punctisque rufescentibus: habitat . . . . ."

Fabricius, Ent. Syst. iii. p. 155. n. 478 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

This species is well represented in the unpublished 'Icones' of the late Mr. Jones.

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

In the 'Genera of Diurnal Lepidoptera' the *P. Lamia* of Cramer (Pap. Exot. ii. pl. 150. fig. C) is regarded as synonymous with *P. Dardus*; the latter, however, differs from *P. Lamia* in having no brilliant blue reflection upon the posterior wings.

3. Eurybia? Constantius.

Papilio (N.) Constantius, *Fabricius*, "alis integerrimis, obscure cinereis, striga marginali punctorum fuscorum: habitat . . . ."
Fabricius, Ent. Syst. iii. p. 152. n. 468 (1793).

Not in the British Museum.

This species seems to come near to the species of *Eurybia*, but wants the conspicuous central ocellus of the anterior wings; it is figured in the unpublished 'Icones' of the late Mr. Jones.

Genus 5. MESOSEMIA, *Hübner*, *Verz. bek. Schmett.* p. 20 (1816).

1. Mesosemia Menippus.

Papilio (P. U.) Menippus, *Fabricius*, "alis integerrimis, striatis, fuscis, fascia lata alba: habitat Surinami."
Fabricius, Gen. Ins. p. 272. n. 397, 398 (1776); *Sp. Ins.* p. 138. n. 640 (1781); *Mant. Ins.* p. 91. n. 827 (1787); *Ent. Syst.* iii. p. 353. n. 341 (1793).

This species is, in the 'Genera of Diurnal Lepidoptera,' referred to the genus *Pyrgus* (*Hesperidæ*); it seems, however, to be nothing more than a faded *Mesosemia*, probably *M. Sifia*, Boisd.; although we have the latter species only from Bogota, it is registered in the 'Genera' as coming from Brazil.

2. Mesosemia Ulrica.

♂. Papilio (P. R.) Ulricus (*sic*), *Fabricius* [P. Ulrica, *Cramer*], "alis integris, cæruleo nitidis, subtus basi brunneis; anticis ocello tripupillato: habitat Surinami." *Pap. Exot.* ii. pl. 100. figs. E, F (1779).
Fabricius, Sp. Ins. p. 127. n. 572 (1781); *Mant. Ins.* p. 82. n. 735 (1787); *Ent. Syst.* iii. p. 314. n. 187 (1793).

Ega, Upper Amazons. (Obtained 1857, collected by H. W. Bates, Esq.) B.M.

The *M. Machæra* of Hewitson may be the female of *P. Ulrica*; the under surface of the two insects and their general form are very similar; moreover we obtained both in the same collection.

3. Mesosemia Philocles.

Papilio (D. F.) Philocles, *Linnæus*, "alis integerrimis, fuscis;

subtus anticis ocello, posticis lineis transversis undatis: habitat in Indiis." *Clerck, Icon.* pl. 41. fig. 3 (1764).

Fabricius, Gen. Ins. p. 259. n. 189, 190 (1776); *Sp. Ins.* p. 64. n. 285 (1781); *Mant. Ins.* p. 31. n. 329 (1787); *Ent. Syst.* iii. p. 215. n. 674 (1793).

♂ ♀, Brazil. (Obtained in one collection) B.M.

The male of *P. Philocles* is roughly figured by Cramer (Pap. Exot. pl. 184. figs. D, E, nec F).

4. Mesosemia Rosina.

Papilio (D. F.) Renatus, *Fabricius* [P. Rosina, *Cramer*], "alis integerrimis, concoloribus nigris, fascia communi alba; anticis ocello tripupillato: habitat Surinami." *Pap. Exot.* iv. pl. 326. fig. B (1782).

Fabricius, Mant. Ins. p. 31. n. 330 (1787); *Ent. Syst.* iii. p. 216. n. 675 (1793).

Var. Villa Nova, Amazons. (Obtained 1855, collected by H. W. Bates, Esq.) B.M.

Cramer, on his pl. 326, figures *Euptychia Renatus* (fig. A), *Mesosemia Rosina* (fig. B), and *Mycalesis Francisca* (fig. E); Fabricius refers to fig. E, but describes fig. B under the name of fig. A.

5. Mesosemia Eumene.

Papilio (D. F.) Eumenes, *Fabricius* [P. Eumene, *Cramer*], "alis integerrimis, dimidiato fuscis; anticis utrinque ocello atro tripupillato: habitat in India occidentali." *Pap. Exot.* i. pl. 92. figs. F, G (1779).

Fabricius, Sp. Ins. p. 68. n. 307 (1781); *Mant. Ins.* p. 34. n. 357 (1787).

P. (S.) Eumenus, *Fabricius, Ent. Syst.* iii. p. 224. n. 702 (1793).

Ega, Upper Amazons. (Obtained 1857, collected by H. W. Bates, Esq.) B.M.

6. Mesosemia Crœsus.

♂. Papilio (D. F.) Crœsus, *Fabricius*, "alis integerrimis, cyaneis, strigis atris numerosis; anticis supra macula ocellari tripupillata: habitat Surinami."

Fabricius, Gen. Ins. p. 259. n. 189, 190 (1776); *Sp. Ins.* p. 64. n. 286 (1781); *Mant. Ins.* p. 31. n. 331 (1787); *Ent. Syst.* iii. p. 216. n. 676 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

The *M. Myonia* of Hewitson is probably the female of this species.

7. Mesosemia Geminus.

Hesperia (R.) Geminus, *Fabricius*, "alis rotundatis, cæruleis, limbo

atro, striga cærulea; posticis subtus fusco subfasciatis: habitat in America."

Fabricius, Ent. Syst. iii. p. 322. n. 229 (1793).

Brazil. (Obtained 1844.) B.M.

8. **Mesosemia Ephyne.**

Papilio (D. F.) Ephynes, *Fabricius* [P. Ephyne, *Cramer*], "alis integerrimis, cæruleis purpureo fasciatis; anticis utrinque ocello inferiore trippillato: habitat Surinami." *Pap. Exot.* i. pl. 93. figs. E, F (1779).

Fabricius, Sp. Ins. p. 68. n. 305 (1781); *Mant. Ins.* p. 34. n. 357 (1787); *Ent. Syst.* iii. p. 224. n. 703 (1793).

Not in the British Museum.

P. Ephyne seems to be closely allied to *M. Misipus* of Hewitson.

9. **Mesosemia Hyphea.**

Papilio (D. F.) Hypheus, *Fabricius* [P. Hyphea, *Cramer*], "alis integerrimis, concoloribus albis fusco fasciatis; anticis ocello atro, posticis cæcis: habitat in India occidentali." *Pap. Exot.* i. pl. 92. fig. C (1779).

Fabricius, Sp. Ins. p. 67. n. 305 (1781); *Mant. Ins.* p. 34. n. 355 (1787); *Ent. Syst.* iii. p. 223. n. 698 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

10. **Mesosemia Vanessa.**

Papilio (D.) Vanessa, *Fabricius*, "alis integerrimis, albis; anticis margine exteriore fusco punctoque atro; posticis fusco strigosis: habitat in America." *Donovan, Nat. Rep.* v. pl. 166 (1827).

Fabricius, Ent. Syst. iii. p. 192. n. 597 (1793).

Not in the British Museum.

P. Vanessa seems to come near to *P. Philemon* of Cramer.

11. **Mesosemia Philemon.**

Papilio (P. R.) Icarus, *Fabricius* [P. Philemon, *Cramer*], "alis integris, supra albis, fasciis fuscis, subtus fasciis albis nigrisque alternis: habitat Surinami." *Pap. Exot.* i. pl. 22. figs. G, H (1775).

Fabricius, Gen. Ins. p. 269. n. 348, 349 (1776); *Sp. Ins.* p. 124. n. 556 (1781); *Mant. Ins.* p. 77. n. 705 (1787); *Ent. Syst.* iii. p. 302. n. 146 (1793).

Ega, Upper Amazons. (Obtained 1856, collected by H. W. Bates, Esq.) B.M.

12. **Mesosemia Tullia.**

Papilio (D. F.) Tullius, *Fabricius*, "alis integerrimis, obscure

cinereis; anticis apice fuscis, utrinque ocello tripupillato: habitat Caiennæ."

Fabricius, Mant. Ins. p. 34. n. 359 (1787); *Ent. Syst.* iii. p. 224. n. 704 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

M. tenera, Westwood, is the Venezuelan form of this species. In the Museum specimens the third pupil of the ocellus is not indicated; the "*tripupillato*" of the description is probably due to Fabricius having described three *Mesosemiæ* consecutively, the first two tripupillated, the third bipupillated.

Genus 6. CREMNA, *Westwood*,
Gen. Diurn. Lepid. p. 456 (1851).

1. Cremna Actoris.

♀. Papilio (P. R.) Actoris, *Cramer*, "alis integerrimis, concoloribus fuscis, albo punctatis: habitat Surinami." *Pap. Exot.* i. pl. 93. fig. D (1779).

♂. Papilio (P. R.) Ceneus, *Cramer*, "alis integris, atris cæruleo undatis, margine albo punctato: habitat Surinami." *Pap. Exot.* ii. pl. 156. fig. F (1779).

Fabricius, Sp. Ins. pp. 124, 128, n. 554, 578 (1781).

P. Cineus (*sic*), *Fabricius, Mant. Ins.* pp. 77, 82, n. 703, 742 (1787); *Ent. Syst.* iii. pp. 302, 316, n. 144, 196 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

Subfamily III. *EURYGONINÆ*, Bates,
Journ. Linn. Soc. ix. p. 420 (1868).

Genus 1. EURYGONA, *Boisduval*,
Suit. Buff. i. pl. 3 A (1836).

1. Eurygona Euriteus.

Papilio (P. R.) Euriteus, *Cramer*, "alis integris, atris, macula cærulea, subtus medio rufis, fasciis albis: habitat Surinami." *Pap. Exot.* ii. pl. 152. figs. D, E (1779).

Fabricius, Sp. Ins. p. 129. n. 586 (1781); *Mant. Ins.* p. 83. n. 751 (1787); *Ent. Syst.* iii. p. 321. n. 216 (1793).

Pará, Upper Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

2. Eurygona Thucydides.

Papilio (H. R.) Thucydides, *Fabricius*, "alis integerrimis, nigris, macula disci fulva, subtus cinereis rufo undatis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 43. fig. 1 (1800).

Fabricius, Ent. Syst. iii. p. 323. n. 225 (1793).

Brazil. (Obtained from Mr. Children's collection) B.M.

3. **Eurygona gemellus.**

Papilio (H. R.) gemellus, *Fabricius*, "alis integerrimis, flavescentibus, limbo fusco; subtus albis, striga media lunulisque marginalibus sanguineis: habitat in Caienna." *Donovan, Nat. Rep.* iii. pl. 93 (1825).

Fabricius, Ent. Syst. iii. p. 319. n. 208 (1793).

The *P. Teleclus* of Stoll and the *E. Catoleuce* of Hübner have been considered synonyms of *P. gemellus*: it is certainly possible that Hübner's species may be the female of it; but *P. Teleclus* seems quite distinct; there is, however, very little difference between *P. gemellus* and *E. opalescens*.

Genus 2. METHONELLA, *Westwood*,

Gen. Diurn. Lepid. p. 533. n. 422 (1852).

1. **Methonella Cæcilia.**

Papilio (P. R.) Amyntor, *Fabricius* [P. Cæcilia, *Cramer*], "alis dentato-caudatis, atris, basi macula fulva, apice fascia flava: habitat in India." *Pap. Exot.* ii. pl. 159. figs. D, E (1779).

Fabricius, Sp. Ins. p. 121. n. 543 (1781); *Mant. Ins.* p. 71. n. 674 (1787); *Ent. Syst.* iii. p. 290. n. 109 (1793).

Local form. Pará, Lower Amazons. (Presented 1845, by Gordon Grahame, Esq.) B.M.

Subfamily IV. *ERYCININÆ*, Bates,

Journ. Linn. Soc. ix. p. 424 (1868).

Genus 1. NOTHEME, *Westwood*,

Gen. Diurn. Lepid. p. 262 (1851).

1. **Notheme Eumeus.**

Papilio (D. F.) Eumeus, *Fabricius*, "alis integerrimis, fuscis, fascia alba, posticarum utrinque terminante macula fulva: habitat in Caiennâ." Amblygonia Agathon, *Felder, Reise der Novara*, pl. 37. figs. 25, 26 (1865).

Var. Papilio (H. R.) Ouranus, *Cramer*, "alis integerrimis, concoloribus atris, fascia communi alba * macula sanguinea terminata: habitat Surinami." *Pap. Exot.* iv. pl. 305. fig. C (1782).

Fabricius, Sp. Ins. p. 63. n. 280 (1781); *Mant. Ins.* p. 30. n. 323 (1787); *Ent. Syst.* iii. pp. 156, 317, n. 200, 481 (1793).

Brazil. (Obtained 1848) B.M.

* Fulva.

Genus 2. PANARA, *Westwood*,
Gen. Diurn. Lepid. p. 442 (1851).

1. **Panara Phereclus.**

Papilio (P. R.) Phereclus, *Linnæus*, "alis integerrimis, concoloribus atris; anticis fascia lineari rubra: habitat in America." *Clerck, Icon.* pl. 45. fig. 4 (1864).

Fabricius, Syst. Ent. p. 529. n. 364 (1775); *Sp. Ins.* p. 129. n. 587 (1781); *Mant. Ins.* p. 83. n. 752 (1787).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

2. **Panará Thisbe.**

Papilio (P. R.) Thisbe, *Fabricius*, "alis integerrimis, concoloribus atris, fascia fulva: habitat Caiennæ." P. Jarbas, *Drury, Ill.* iii. pl. 8. fig. 2 (1782).

Fabricius, Sp. Ins. p. 310. n. 589 (1781); *Mant. Ins.* p. 83. n. 754 (1787).

P. (R.) perditus, *Fabricius, Ent. Syst.* iii. p. 323. n. 222 (1793).

Brazil (registered "*P. perditus*"). (From Mr. Children's Collection) B.M.

Genus 3. LYMNAS, *Blanchard*,
Anim. Artic. iii. p. 464 (1840).

1. **Lymnas Jarbas.**

Papilio (P. R.) Jarbas, *Fabricius*, "alæ omnes atræ, fascia flava, anticarum abbreviata, posticarum marginali; punctum baseos magnum sanguineum, punctoque apicis sanguineo: habitat Caiennæ." L. Melantho, *Ménétriés, Cat. Lep. Mus. St. Petersburg.* pl. 3. fig. 7, p. 93.

Fabricius, Mant. Ins. p. 83. n. 749 (1787).

P. (R.) Electron, *Fabricius, Ent. Syst.* iii. p. 321. n. 214 (1793).

Honduras and Venezuela. (Obtained 1845–46, from Mr. Dyson) B.M.

Genus 4. ERYCINA, *Fabricius*,
Illiger's Magaz. vi. p. 286 (1808).

1. **Erycina Melibæus.**

Papilio (P. U.) Melibæus, *Fabricius*, "alis caudatis, fuscis; anticis strigis, posticis duabus sanguineis, subtus cyaneo nitidissimis: habitat Surinami." P. Pyretus, *Cramer, Pap. Exot.* ii. pl. 144. figs. A, B (1779).

Fabricius, Gen. Ins. p. 271. n. 381, 382 (1776); *Sp. Ins.* p. 16. n. 65 (1781); *Mant. Ins.* p. 9. n. 75 (1787); *Ent. Syst.* iii. p. 29. n. 84 (1793).

Rio Negro, Amazons. (Obtained 1851, collected by A. R. Wallace, Esq.) B.M.

Genus 5. DIORINA, *Boisduval*, *Ann. Ent. Soc. France*, vi. p. 420 (1837).

1. Diorina Rhetus.

Papilio (E. A.) Licarsis (part.), *Fabricius*, "alis caudatis, atris, fasciis duabus albis, angulo ani rubro bimaculato: habitat Surinami." *Pap. Exot.* i. pl. 63. fig. C (1779).

Fabricius, Sp. Ins. p. 16. n. 64 (1781); *Mant. Ins.* p. 9. n. 73 (1787); *Ent. Syst.* iii. p. 28. n. 83 (1793).

Not in the British-Museum collection; it seems distinct from *P. Licarsis* of the 'Genera Insectorum,' and certainly has little in common with *P. Licursis* (sic) of the 'Systema Entomologiæ,' although Fabricius seems to have considered the two species to be identical.

2. Diorina Licarsis.

Papilio (P. U.) Licarsis, *Fabricius*, "alæ anticæ supra atræ, fasciis duabus albis, subtus concolores lineola punctoque baseos rubris; posticæ supra atræ, fasciis duabus obliquis albis, posteriore obsoleta, cauda elongata obtusa, punctis aliquot obsoletis albis, ad angulum ani puncta duo rubra, subtus concolores at inter maculas anales puncta duo parva cyanea: habitat Surinami." *Morisse, Annales Soc. Ent. France*, vi. pl. 14. figs. 1, 2.

Fabricius, Gen. Ins. p. 271. n. 381 (1776).

Brazil (two specimens). B.M.

Genus 6. ZEONIA, *Swainson*, *Zool. Ill.* ii. ser. 3. p. 111 (1833).

1. Zeonia Faunus.

Papilio (P. U.) Faunus, *Fabricius*, "alis caudatis, hyalinis, margine strigaque nigris: habitat in Indiis."

Papilio (E. A.) Octavius, *Fabricius*, "margine strigaque rubris" [misprint]. Zeonia Heliconides, *Swainson, Zool. Ill.* 2nd ser. pl. 3 (1833).

Fabricius, Syst. Ent. p. 532. n. 380 (1775); *Sp. Ins.* p. 16. n. 63 (1781).

P. Octavius, *Fabricius, Mant. Ins.* p. 9. n. 72 (1787); *Ent. Syst.* iii. p. 28. n. 82 (1793).

Brazil. (Obtained 1851) B.M.

2. Zeonia Licursis.

Papilio (P. U.) Licursis, *Fabricius*, "alæ nigræ, fasciis duabus obliquis, hyalinis, cauda longissima, maculis duabus parvis rubris ad angulum ani: habitat in Indiis." ? Z. Xantippe, *G. R. Gray, Gen. Diurn. Lepid.* pl. 72. fig. 4 (1851).

Fabricius, Syst. Ent. p. 532. n. 381 (1775).

Id. ? Brazil. (Obtained 1840, from Mr. Children's collection) B.M.

The description of *P. Licursis* applies exactly to *Z. Xantippe*; the difference of locality cannot be much depended upon.

Genus 7. MONETHE, *Westwood*,
Gen. Diurn. Lepid. p. 462 (1851).

1. Monethe Alphonsus.

Hesperia (R.) Alphonsus, *Fabricius*, "alis integerrimis, atris; anticis maculis duabus, posticis unica baseos, flavis: habitat Surinami."
Fabricius, Ent. Syst. iii. p. 308. n. 171 (1793).

Rio Janeiro. (Obtained 1850) B.M.

2. Monethe ? Helius.

Papilio (P. U.) Helius, *Cramer*, "alis subdivaricatis, fuscis; posticis margine interiore fulvis: habitat Surinami." *Pap. Exot.* iii. pl. 198. fig. B (1781 ?).
Fabricius, Sp. Ins. p. 132 n. 602 (1781); *Mant. Ins.* p. 85. n. 771 (1787); *Ent. Syst.* iii. p. 329. n. 248 (1793).

Not in the British-Museum collection.

Genus 8. RODINIA, *Westwood*,
Gen. Diurn. Lepid. p. 430 (1851).

1. Rodinia Lysippus.

Papilio (P. R.) Lysippus, *Linnæus*, "alis angulatis, fuscis, omnibus striga rubra; subtus cinereo punctatis: habitat in America." *Clerck, Icon.* pl. 22. fig. 2 (1764).
Fabricius, Syst. Ent. p. 529. n. 365 (1775); *Sp. Ins.* p. 129. n. 588 (1781); *Mant. Ins.* p. 83. n. 753 (1787); *Ent. Syst.* iii. p. 321. n. 216 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

Genus 9. AMARYNTHIS, *Hübner*,
Verz. bek. Schmett. p. 26 (1816).

1. Amarynthis Mæcenas.

♀. Hesperia (R.) Mæcenas, *Fabricius*, "alis oblongis, concoloribus nigris, fascia communi lineolaque anticarum sanguineis: habitat in insula Guadeloupe."
Fabricius, Ent. Syst. iii. p. 306. n. 160 (1793).

Not in the British-Museum collection.

P. Mæcenas seems to differ from the *P. Meneria* of South America in having no white spots upon the upper surface of the wings.

Genus 10. HELICOPIS, *Fabricius*,

Illiger's Magaz. vi. p. 285 (1808).

1. Helicopis Endymion.

Papilio (P. R.) Acis, *Fabricius* [P. Endymion, *Cramer*], "alis sexdentato-caudatis, albis, limbo atro, posticis subtus maculis argenteis: habitat Surinami." *Pap. Exot.* iii. pl. 244. figs. C–F (1782).

Fabricius, Sp. Ins. app. p. 504 (1782).

P. (P. R.) Gnidus, *Fabricius, Mant. Ins.* p. 64. n. 607 (1787); *Ent. Syst.* iii. p. 258. n. 1 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

2. Helicopis Cupido.

Papilio (P. R.) Cupido, *Linnæus*, "alis posticis sexdentato-caudatis; subtus albidis, maculis argenteis: habitat in *Gossypio* Americes." *Petiver, Gazophylacium*, i. pl. 10. fig. 9 (1702).

Fabricius, Syst. Ent. p. 518. n. 320 (1775); *Sp. Ins.* p. 112. n. 488 (1781); *Mant. Ins.* p. 64. n. 606 (1787); *Ent. Syst.* iii. p. 258. n. 1 (1793).

Brazil. (Obtained 1840, from Mr. Children's collection) B.M.

There is one specimen of *P. Cupido* in the Banksian Collection in the British Museum.

Genus 11. ANTEROS, *Hübner*,

Verz. bek. Schmett. p. 77 (1816).

1. Anteros Formosus.

Papilio (P. R.) Formosus, *Cramer*, "alis bicaudatis, fuscis; subtus flavescentibus sanguineo auroque maculatis: habitat Surinami." *Pap. Exot.* ii. pl. 118. fig. G (1779).

Papilio (P. R.) Crœsus, *Fabricius*, "alis caudatis, fuscis; subtus flavescentibus maculis rubris auro fœtis: habitat Surinami."

Fabricius, Sp. Ins. p. 117. n. 518, 522 (1781).

P. Valens, *Fabricius, Mant. Ins.* p. 67. n. 639, 644 (1787); *Ent. Syst.* pp. 273, 274, n. 55, 60 (1793).

Santarem, Lower Amazons. (Obtained 1853, collected by H. W. Bates, Esq.) B.M.

2. Anteros Archæus.

Papilio (H. R.) Archæus, *Cramer*, "alis subbicaudatis, fuscis, maculis flavis; subtus flavis auro maculatis: habitat in India." *Pap. Exot.* iv. pl. 352. figs. G, H (1781); P. Achæus (*sic*), *Donovan, Ins. Ind.* pl. 41. fig. 4 (1800).

Fabricius, Ent. Syst. iii. p. 273. n. 53 (1793).

Tabatinga, Upper Amazons. (Obtained 1858, collected by H. W. Bates, Esq.) B.M.

Donovan's figure of this species is better than Cramer's.

Genus 12. EMESIS, *Fabricius*,

Illiger's Magaz. vi. p. 287 (1808).

1. Emesis Dyndima.

♀. Papilio (D. F.) Lassus, *Fabricius* [P. Dyndima, *Cramer*], "alis integerrimis, fuscis, strigis nigris; anticis macula marginali alba; subtus pallidis, strigis plurimis fasciaque postica fuscis: habitat Caiennæ." *Pap. Exot.* iii. pl. 271. figs. G, H (1782).

Fabricius, Mant. Ins. p. 26. n. 269 (1787); *Ent. Syst.* iii. p. 44. n. 133 (1793).

Brazil. (From Mr. Children's collection) B.M.

2. Emesis Lucinda.

Papilio (D. F.) Lucinda, *Cramer*, "alis integerrimis, nigro fasciatis; supra cæruleis, subtus fulvis: habitat Surinami." *Pap. Exot.* i. pl. 1. figs. E, F (1775).

Fabricius, Gen. Ins. p. 258. n. 184, 185 (1776).

P. Lucindus (*sic*), *Fabricius, Sp. Ins.* p. 62. n. 277 (1781); *Mant. Ins.* p. 30. n. 319 (1787); *Ent. Syst.* iii. p. 154. n. 476 (1793).

Pará, Lower Amazons. (Obtained 1851, collected by H. W. Bates, Esq.) B.M.

There is one specimen of *P. Lucinda* in the Banksian Collection.

3. Emesis Mandana.

Papilio (F.) Polymenus, *Fabricius* [P. Mandana, *Cramer*], "alis integerrimis, ferrugineo-fuscis, nigro punctatis; subtus flavescentibus, fusco undatis: habitat Surinami." *Pap. Exot.* iii. pl. 271. figs. E, F (1782).

Fabricius, Ent. Syst. iii. p. 54. n. 166 (1793).

Santarem, Lower Amazons. (Obtained 1853, collected by H. W. Bates, Esq.) B.M.

This species is well figured in Jones's unpublished 'Icones.'

4. Emesis Arminius.

Papilio (N.) Arminius, *Fabricius*, "alis integris, concoloribus fulvis, lunulis punctisque rufescentibus: habitat . . . . ."

Fabricius, Ent. Syst. iii. p. 155. n. 478 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

This species is well represented in the unpublished 'Icones' of the late Mr. Jones.

Genus 13. SYMMACHIA, *Hübner*,

Verz. bek. Schmett. p. 25 (1816).

1. Symmachia Menetas.

Hesperia (R.) Tacitus, *Fabricius* [P. Menetas, *Drury*], "alis integerrimis, fulvis; anticis margine exteriore atro, flavo maculato: habitat Surinami." *Donovan, Nat. Rep.* iv. pl. 134 (1826).

Fabricius, Ent. Syst. iii. p. 308. n. 168 (1793).

Brazil. (Obtained 1851) B.M.

2. Symmachia Plutargus.

Hesperia (U.) Plutargus, *Fabricius*, "alis integerrimis, fuscis, auro irroratis; anticis supra macula apicis, subtus margine exteriore testaceis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 48. fig. 3 (1800).

Fabricius, Ent. Syst. iii. p. 329. n. 251 (1793).

Rio Janeiro. (Obtained 1850) B.M.

3. Symmachia Ovidius.

Hesperia (R.) Ovidius, *Fabricius*, "alis integerrimis, auro punctatis; supra fulvis, subtus flavescentibus: habitat in Indiis." *Donovan, Ins. Ind.* pl. 46. fig. 7 (1800).

Fabricius, Ent. Syst. iii. p. 320. n. 212 (1793).

Villa Nova, Amazons. (Obtained 1855, collected by H. W. Bates, Esq.) B. M.

This species is well figured in Jones's 'Icones.'

4. Symmachia Domitianus.

Hesperia (R.) Domitianus, *Fabricius*, "alis integris, fuscis; anticis macula, posticis striga viridibus; subtus brunneis, punctis strigaque marginali argenteis: habitat in Guadeloupe."

Fabricius, Ent. Syst. iii. p. 315. n. 193 (1793).

Venezuela. (Obtained 1846, from Mr. Dyson) B.M.

Genus 14. MESENE, *Westwood*,

Gen. Diurn. Lepid. p. 441 (1851).

1. Mesene Epaphus.

Papilio (P. R.) Phareus (part.), *Fabricius* [P. Epaphus, *Cramer*], *Pap. Exot.* iv. pl. 335. figs. D, E (1782).

Fabricius, Mant. Ins. p. 79. n. 722 (1787).

Pará, Lower Amazons. (Obtained 1852, collected by H. W. Bates, Esq.) B.M.

2. Mesene Sagaris.

Papilio (P. R.) Sagaris, *Cramer*, "alis integerrimis, atris, macula

communi transversali fulva: habitat Surinami." *Pap. Exot.* i. pl. 83. fig. D (1779).

Fabricius, Sp. Ins. p. 129. n. 585 (1781); *Mant. Ins.* p. 83. n. 750 (1787); *Ent. Syst.* iii. p. 321. n. 215 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

3. **Mesene Phareus.**

Papilio (P. R.) Phareus, *Cramer*, "alis integerrimis, subconcoloribus rubris, limbo nigro: habitat Surinami." *Pap. Exot.* ii. pl. 170. fig. 6 (1779).

Fabricius, Sp. Ins. p. 126. n. 567 (1781); *Ent. Syst.* iii. p. 308. n. 167 (1793).

Pará, Lower Amazons. (Obtained 1845, from Mrs. J. P. G. Smith) B.M.

4. **Mesene Florus.**

Papilio (H. R.) Florus, *Fabricius*, "alis integerrimis, fulvis, margine nigro, subtus basi nigro punctatis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 39. fig. 4 (1800).

Fabricius, Ent. Syst. iii. p. 310. n. 176 (1793).

Brazil. (Obtained 1848) B.M.

The red-lead used in colouring some copies of Donovan's 'India' has gone quite brown, so that the figure is scarcely recognizable; the species is naturally of a bright fulvous-orange colour, with a black border and several basal black points on the under surface of the wings. *P. Florus* is referred with doubt to the genus *Lycæna* in the 'Genera of Diurnal Lepidoptera.'

5. **Mesene Thelephus.**

Papilio (P. R.) Thelephus, *Cramer*, "alis integerrimis, nigris; anticis albo punctatis, posticis supra basi rufis; subtus cæruleis nigro variis: habitat in America." *Pap. Exot.* i. pl. 66. figs. E, F (1779).

Fabricius, Sp. Ins. p. 124. n. 560 (1781).

P. Tilephus (*sic*), *Fabricius, Mant. Ins.* p. 78. n. 710 (1787).

P. Telephus (*sic*), *Fabricius, Ent. Syst.* iii. p. 304. n. 153 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

Genus 15. CHARIS, *Hübner*,

Verz. bek. Schmett. p. 21 (1816).

1. **Charis Avius.**

Papilio (P. R.) Avius, *Cramer*, "alis integris, concoloribus fuscis, strigis duabus apicis cæruleis: habitat in India occidentali." *Pap. Exot.* i. pl. 92. fig. B (1779).

Fabricius, Sp. Ins. p. 124 (1781); *Mant. Ins.* p. 77. n. 701 (1787).

P. (H. R.) Aivus (*sic*), *Fabricius, Ent. Syst.* iii. p. 301. n. 142 (1793).

Honduras. (Obtained 1845, from Mr. Dyson) B.M.

2. Charis Gyas.

Papilio (P. R.) Gyas, *Cramer*, "alis integerrimis, fascis; subtus fulvis, strigis punctatis aureis: habitat Surinami." *Pap. Exot.* i. pl. 28. figs. F, G (1775).

Papilio (P. R.) Acanthus, *Cramer*, "alis integerrimis, fuscis immaculatis; subtus brunneis, cæruleo fasciatis, limbo flavo: habitat Surinami." *Pap. Exot.* iv. pl. 380. figs. K, L (1782).

Fabricius, Sp. Ins. p. 130. n. 593 (1781); *Mant. Ins.* pp. 77, 83, n. 702, 758 (1787); *Ent. Syst.* iii. pp. 302, 324, n. 143, 230 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

P. Gyas is the type of Hübner's genus *Charis*.

3. Charis? pygmæa.

Papilio (P. R.) Talus, *Fabricius* [P. pygmæa, *Cramer*], "alis integerrimis, fusco cæruleoque fasciatis, fascia sanguinea abbreviata: habitat Surinami." *Pap. Exot.* i. pl. 7. figs. C, D (1775).

Fabricius, Sp. Ins. p. 128. n. 580 (1781); *Mant. Ins.* p. 83. n. 745 (1787); *Ent. Syst.* iii. p. 318. n. 202 (1793).

Not in the British-Museum collection.

In Cramer's description of *P. pygmæa* he says, "Ce petit Papillon a les bandes des ailes inférieures tour à tour d'un bleu foncé brillant." Fabricius describes it upside down.

4. Charis Flegia.

Papilio (N. P.) Flegia, *Fabricius*, "alis dentatis, concoloribus fulvis, punctis numerosis fuscis: habitat Caiennæ." ? Lemonias Cæcina, *Felder, Nov. Voy.* ii. pl. 37. figs. 7, 8.

Fabricius, Mant. Ins. p. 51. n. 507 (1787); *Ent. Syst.* iii. p. 244. n. 760 (1793).

Not in the British Museum.

Genus 16. BÆOTIS, *Hübner*,

Verz. bek. Schmett. p. 21 (1816).

1. Bæotis regulus.

Hesperia (R.) regulus, *Fabricius*, "alis integerrimis, nigris, fasciis duabus flavis, postica anticarum interrupta: habitat in Indiis." *Donovan, Ins. Ind.* pl. 43. fig. 3 (1800).

Fabricius, Ent. Syst. iii. p. 318. n. 205 (1793).

Pará, Lower Amazons. (Obtained 1851, collected by H. W. Bates, Esq.) B.M.

2. **Bæotis Hisbon.**

Papilio (P. R.) Hisbon, *Cramer*, "alis integerrimis, atris; fasciis tribus flavescentibus, postica abbreviata: habitat in India occidentali." *Pap. Exot.* i. pl. 83. fig. C (1779).

Fabricius, Sp. Ins. p. 129. n. 584 (1781); *Mant. Ins.* p. 83. n. 784 (1787); *Ent. Syst.* iii. p. 318. n. 206 (1793).

Rio Janeiro. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

There is a good figure of an allied species, as *P. Hisbon*, in the unpublished 'Icones' of Mr. Jones.

Genus 17. METACHARIS, *Butler*,

Ent. Month. Mag. iii. p. 174 (1867).

1. **Metacharis Ptolomæus.**

♂. Papilio (H. R.) Ptolomæus, *Fabricius*, "alis integerrimis, ferrugineis, fusco strigosis; subtus cæruleis, basi pallidioribus: habitat in Indiis." *Donovan, Ins. Ind.* pl. 46. fig. 6 (1800).

Fabricius, Ent. Syst. iii. p. 319. n. 209 (1793).

Brazil. (Obtained 1851) B.M.

2. **Metacharis Lucius.**

♀. Papilio (H. R.) Lucius, *Fabricius*, "alis integerrimis, subconcoloribus fulvis, nigro undatis: habitat in Indiis."

Fabricius, Ent. Syst. iii. p. 320. n. 211 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

The unpublished 'Icones' of Mr. Jones show this to be distinct from *P. Ptolomæus*, and identical with *L. Nicaste* of Herrich-Schäffer.

Genus 18. THAROPS, *Hübner*,

Verz. bek. Schmett. p. 109 (1816).

1. **Tharops Pretus.**

Papilio (P. U.) Pretus, *Cramer*, "alis subcaudatis, atris viridi maculatis; subtus subferrugineis, flavo maculatis: habitat ad Cap. bon. spei." *Pap. Exot.* ii. pl. 182. figs. C, D (1779).

Fabricius, Sp. Ins. p. 133. n. 610 (1781); *Mant. Ins.* p. 86. n. 783 (1787); *Ent. Syst.* iii. p. 333. n. 266 (1793).

Pará, Lower Amazons. (Obtained 1851, collected by H. W. Bates, Esq.) B.M.

2. **Tharops Hebrus.**

Papilio (P. R.) Hebrus, *Cramer*, "alis integris, fuscis, cæruleo

variis; posticis cæruleis, margine interiore albo: habitat Surinami." *Pap. Exot.* i. pl. 50. figs. E, F (1779).

Fabricius, Sp. Ins. p. 123. n. 552 (1787); *Mant. Ins.* p. 77. n. 700 (1787); *Ent. Syst.* iii. p. 301. n. 141 (1793).

In the collection of Osbert Salvin, Esq., from Cayenne.

In his Catalogue of *Erycinidæ* (Journ. Linn. Soc. 1868) Mr. Bates has ranked the *L. Ion* of Westwood as a mere variety of *P. Hebrus*; the differences between the two forms, however, seem to be constant, and quite sufficient to distinguish them by.

Genus 19. LEMONIAS, *Westwood*, *Gen. Diurn. Lepid.* p. 457 (1851).

1. **Lemonias Lucianus.**

♂. Papilio (H. R.) Lucianus, *Fabricius*, "alis integerrimis, nigro punctatis, supra fulvis, subtus cinereis: habitat in insula Guadeloupe." ♀, Nepia, *Hewitson, Gen. Diurn. Lepid.* pl. 73. fig. 2 (1851); ♂, *Butler, Journ. Linn. Soc.* ix. *Zool.* pl. 6. fig. 11 (1867).

Fabricius, Ent. Syst. iii. p. 313. n. 185 (1793).

♂ ♀, Venezuela. (Obtained 1846, from Mr. Dyson) B.M.

The *L. Lucianus* of Hübner, as shown by Mr. Bates, is quite distinct from the Fabrician species, and represents two distinct insects (*L. melanogyra*, Bates, and *L. Nepioides*, Butler); the latter species differs in both sexes from Westwood's *L. pseudolonginus*, of which Mr. Bates has made it a synonym.

2. **Lemonias Emylius.**

♀. Papilio (P. R.) Emylius, *Cramer*, "alis integerrimis, nigris, albo punctatis; anticis fascia flava, omnibus subtus variegatis: habitat Surinami." *Pap. Exot.* i. pl. 66. figs. G, H (1779).

Fabricius, Sp. Ins. p. 125. n. 561 (1781); *Mant. Ins.* p. 78. n. 711 (1787); *Ent. Syst.* iii. p. 305. n. 154 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

P. crispus of Cramer (the ♂ of *P. Emylius*) appeared in the second volume of the 'Papiliones' (ii. pl. 118. f. D, E), and will therefore sink into a synonym.

3. **Lemonias Petronius.**

Papilio (H. R.) Petronius, *Fabricius*, "alis integerrimis, cæruleis, nigro strigosis; subtus fusco cinereis, nigro punctatis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 43. fig. 2 (1800).

Fabricius, Ent. Syst. iii. p. 324. n. 227 (1793).

This may possibly be a species of *Lasaia* near to *L. Meris*; the under surface (as well as the upper surface), however, is figured by

Mr. Jones in his 'Icones,' and somewhat resembles *Lemonias Thara* of Hewitson, to which it is more probably allied. In Jones's figures the wings are much less elongated than in that of Donovan.

Genus 20. APODEMIA, *Felder*,
Reise d. Nov. Zool. ii. Abth. 2. p. 302.

1. **Apodemia Epulus.**

Papilio (P. R.) Epulus, *Cramer*, "alis integerrimis, fuscis, fulvo maculatis, subtus variegatis: habitat Surinami." *Pap. Exot.* i. pl. 50. figs. C, D (1779).

Fabricius, Sp. Ins. p. 122. n. 548 (1781); *Mant. Ins.* p. 71. n. 680 (1787); *Ent. Syst.* iii. p. 292. n. 117 (1793).

Race. Papilio (H. R.) Zachæus, *Fabricius*, "alis integerrimis, fulvis, nigro maculatis; posticis subtus fusco alboque variis: habitat Caiennæ."

Fabricius, Ent. Syst. suppl. p. 431. n. 231, 232 (1798).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

In 'the Genera of Diurnal Lepidoptera' *P. Zachæus* is referred to the genus *Mesene*.

Genus 21. CALOSPILA, *Westwood*,
Gen. Diurn. Lepid. p. 458 (1851).

1. **Calospila Æmulius.**

Papilio (H. R.) Æmulius, *Fabricius*, "alis integerrimis, cinereis, fusco alboque maculatis; posticis supra pallidis, subtus omnibus fusco punctatis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 44. fig. 2 (1800); Desmozona hemixanthe, *Felder, Nov. Voy.* ii. pl. 37. figs. 17, 18.

Fabricius, Ent. Syst. iii. p. 322. n. 219 (1793).

Brazil. (Obtained 1844, from H. Lowe, Esq.) B.M.

2. **Calospila Penthea.**

Papilio (P. R.) Pentheus (*sic*), *Fabricius* [P. Penthea, *Cramer*], "alis integris, fulvis, nigro maculatis; posticis apice albis, nigro punctatis: habitat Surinami." *Pap. Exot.* ii. pl. 163. fig. E (1779).

Fabricius, Sp. Ins. p. 127. n. 571 (1781); *Mant. Ins.* p. 82. n. 734 (1787); *Ent. Syst.* iii. p. 314. n. 186 (1793).

Pará, Lower Amazons. (Obtained 1851, collected by H. W. Bates, Esq.) B.M.

Genus 22. ANATOLE, *Hübner*,
Verz. bek. Schmett. p. 24 (1816).

1. **Anatole Nepos.**

Papilio (H.) Nepos, *Fabricius*, "alis rotundatis, nigris; anticis albo

punctatis; posticis supra angulo ani, subtus disco albis: habitat in India." Cremna Orpheus, *Hewitson, Gen. Diurn. Lepid.* pl. 71. fig. 8 (1851).

Fabricius, Ent. Syst. iii. p. 340. n. 292 (1793).

Brazil. (Presented 1845, by H. G. Harrington, Esq.) B.M.

In the 'Genera of Diurnal Lepidoptera' *P. Nepos* is referred to the genus *Goniloba*; the only *Hesperidæ* to which the description would apply come into the group *Tagiades* of Hübner. The words "statura omnino *H. Nothi*; posticæ subtus albæ, basi fusco maculatæ, apice nigræ albo maculatæ" would separate it at once from Cramer's *P. Japetus*, to which it has been thought by some to be referable; Jones's figure, however, shows it to be a species of *Anatole*.

Genus 23. NYMPHIDIUM, *Fabricius*,

Illiger's Magaz. vi. p. 286 (1808).

1. Nymphidium Tytia.

Papilio (D. F.)Tytius (*sic*), *Fabricius* [P. Tytia, *Cramer*], "alis integerrimis, fuscis, albo maculatis; anticis punctis quatuor ocellaribus atris: habitat Surinami." *Pap. Exot.* ii. pl. 121. figs. C, D (1779).

Fabricius, Sp. Ins. p. 54. n. 240 (1781); *Mant. Ins.* p. 27. n. 278 (1787); *Ent. Syst.* iii. p. 48. n. 147 (1793).

This species seems closely allied to *N. Arctos* ♀ of Hewitson.

2. Nymphidium Cachrus.

Papilio (P. R.) Cachrus, *Fabricius*, "alis integris, flavescentibus; limbo communi fusco albo maculato: habitat Caiennæ."

Fabricius, Mant. Ins. p. 78. n. 715 (1787).

P. Cachrys (*sic*), *Fabricius, Ent. Syst.* iii. p. 306. n. 158 (1793).

Demerara. B.M.

3. Nymphidium Lamis.

Papilio (P. R.) Lamis, *Cramer*, "alis integris, fuscis, fascia communi abbreviata alba fulvaque: habitat Caiennæ." *Pap. Exot.* iv. pl. 335. figs. F, G (1782).

Fabricius, Mant. Ins. p. 78. n. 714 (1787); *Ent. Syst.* iii. p. 305. n. 157 (1793).

♂ ♀, Brazil. (Obtained 1845, from Herr J. J. Becker) B.M.

The *N. Azanoides* of Butler, placed by Mr. Bates as synonymous with two totally different species, is most nearly allied to *N. Lamis*.

4. Nymphidium Mantus.

Papilio (P. R.) Mantus, *Cramer*, "alis oblongis, integerrimis,

cæruleo fuscoque variis, fascia communi alba: habitat in Africa æquinoctiali." *Pap. Exot.* i. pl. 47. figs. F, G (1779).

Fabricius, Mant. Ins. p. 78. n. 717 (1787); *Ent. Syst.* iii. p. 306. n. 161 (1793).

Pará, Lower Amazons. (Obtained 1852, collected by H. W. Bates, Esq.) B.M.

5. **Nymphidium Caricæ.**

Papilio (P. R.) Caricæ, *Linnæus*, "alis integerrimis, fuscis, disco communi albo, limbo cinereo subocellato: habitat in *Carica* Americes." *Clerck, Icon.* pl. 20. fig. 2 (1764).

Fabricius, Syst. Ent. p. 526. n. 352 (1775); *Sp. Ins.* p. 125. n. 562 (1781); *Mant. Ins.* p. 78. n. 712 (1787); *Ent. Syst.* iii. p. 305. n. 155 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

A species allied to *N. Lamis* stands for *P. Caricæ* in the Banksian Collection in the British Museum.

6. **Nymphidium Pelops.**

Papilio (P. R.) Pelops, *Cramer*, "alis integris, albis, limbo communi fusco, maculis strigaque postica fulvis: habitat Caiennæ." *Pap. Exot.* ii. pl. 170. fig. F (1779).

Fabricius, Mant. Ins. p. 78. n. 713 (1787); *Ent. Syst.* iii. p. 305. n. 156 (1793).

Rio Negro, Amazons. (Obtained 1851, collected by A. R. Wallace, Esq.) B.M.

7. **Nymphidium? Midas.**

Papilio (P. R.) Midas, *Fabricius*, "alis subangulatis, fuscis, macula albida; subtus basi albis strigaque rufa: habitat in Indiis."

Fabricius, Syst. Ent. p. 527. n. 353 (1775); *Sp. Ins.* p. 125. n. 564 (1781); *Mant. Ins.* p. 79. n. 718 (1787); *Ent. Syst.* iii. p. 306. n. 162 (1793).

In the 'Genera of Diurnal Lepidoptera' the *P. Crotopus* of Cramer (a species of *Eurygona*) is sunk into a synonym of *P. Midas*; and in Mr. Hewitson's 'Exotic Butterflies' the same species is figured as the Fabrician insect; the description of the latter, however, will not in any way apply to *P. Crotopus*; it would better suit a *Pyrrhogyra*, *Eresia*, *Ithomia*, or *Nymphidium*. Mr. Bates, in his catalogue of *Erycinidæ*, places *P. Midas*, with a note of interrogation, as a synonym of *P. Crotopus*.

Genus 24. THEOPE, *Westwood*,
Gen. Diurn. Lepid. p. 439 (1851).

1. **Theope Archimedes.**

Papilio (H. R.) Archimedes, *Fabricius*, "alis integerrimis, nigris, disco cæruleo; subtus fuscis, immaculatis: habitat in Indiis."
Fabricius, Ent. Syst. iii. p. 320. n. 210 (1793).

Not in the British-Museum collection; it is allied to *T. Theritas* of Hewitson.

2. **Theope Virgilius.**

Papilio (H. R.) Virgilius, *Fabricius*, "alis integerrimis, nigris, margine tenuiore cæruleo; subtus griseis, posticis lunulis tribus albidis, puncto atro: habitat in Indiis."
Fabricius, Ent. Syst. iii. p. 323. n. 226 (1793).

Honduras. (Obtained 1845, from Mr. Dyson) B.M.

Our specimens of this species only differ from the figure in Jones's 'Icones' in the absence of the black discal spot in the front wings; it is quite possible that this spot is due to abrasion.

Genus 25. PANDEMOS, *Hübner*,
Verz. bek. Schmett. p. 25 (1816).

1. **Pandemos Arcas.**

Papilio (D. F.) Arcas, *Cramer*, "alis integerrimis, cæruleis, anticis albo maculatis, posticis macula atra albaque marginali: habitat Surinami." *Pap. Exot.* ii. pl. 179. figs. E, F (1779).
Fabricius, Sp. Ins. p. 63. n. 282 (1781); *Mant. Ins.* p. 30. n. 325 (1787); *Ent. Syst.* iii. p. 157. n. 483 (1793).

Lower Amazons. (Obtained 1851, collected by A. R. Wallace, Esq.) B.M.

Genus 26. ARICORIS, *Westwood*,
Gen. Diurn. Lepid. p. 449 (1851).

1. **Aricoris Epitus.**

♂. Papilio (P. R.) Bias, *Fabricius*, "alis integris, nigris, cæruleo nitidis; subtus fuscis, margine postico albo: habitat Caiennæ." A. Cataleuca, *Herrich-Schäffer, Aussereurop. Schmett.*
Fabricius, Mant. Ins. p. 79. n. 721 (1787); *Ent. Syst.* iii. p. 307. n. 166 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

A. Bias is referred, in the 'Genera,' to the genus *Lycæna*; it is the male of Cramer's *P. Epitus*.

Race, ♀. Papilio (H.) Cepha, *Fabricius*, "alis oblongis, integer-

rimis, atris, anticis fascia abbreviata, albida, posticis basi fulvis, subtus radiatis:" "posticæ basi fulvo radiatæ, apice maculis aliquot obsoletis albis: habitat Caiennæ." *Journ. Linn. Soc.* ix. pl. 7. figs. 9 (♂), 10 (♀) (1866).

Fabricius, Mant. Ins. p. 15. n. 143 (1787); *Ent. Syst.* iii. p. 169. n. 524 (1793).

♂ ♀, Ega, Upper Amazons. (Obtained 1851 and 1856, collected by H. W. Bates, Esq.) B.M.

This form probably occurs also on the Lower Amazons; we have the male, scarcely differing, from Pará.

2. Aricoris Lagus.

♂. Papilio (P. R.) Lagus, *Cramer*, "alis integerrimis, cæruleis; anticis macula gemina alba; subtus cinereis, nigro lineatis: habitat Surinami." *Pap. Exot.* ii. pl. 117. figs. F, G (1779).

♀. Papilio (H. R.) Phereclus, *Cramer* [nec *Linnæus*], "alis integerrimis, concoloribus atris; anticis fascia lineari rubra*: habitat in America." *Pap. Exot.* ii. pl. 178. fig. D (1779).

Fabricius, Sp. Ins. p. 125. n. 563 (1781); *Mant. Ins.* p. 78. n. 716 (1787); *Ent. Syst.* iii. pp. 306, 321, n. 159, 217 (1793).

♂ ♀, Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

Genus 27. STALACHTIS, *Hübner*, *Verz. bek. Schmett.* p. 26 (1816).

1. Stalachtis Phlegea.

Papilio (P. R.) Phlegeus, *Fabricius* [P. Phlegea, *Cramer*], "alis integerrimis, atris, albo punctatis, maculaque baseos oblonga, fulva: habitat Surinami." *Pap. Exot.* ii. pl. 197. fig. F (1779).

Fabricius, Sp. Ins. p. 127. n. 577 (1781); *Mant. Ins.* p. 82. n. 741 (1787).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

2. Stalachtis Susanna.

Papilio (H.) Susanna, *Fabricius*, "alis oblongis integerrimis, nigris, albo punctatis, macula baseos, fasciaque postica fulvis: habitat in Africa." *Hübner, Zuträge exot. Schmett.* figs. 425, 426 (1806).

Fabricius, Mant. Ins. p. 16. n. 166 (1787); *Ent. Syst.* iii. p. 178. n. 553 (1793).

Brazil. (From Mr. Milne's collection) B.M.

3. Stalachtis Euterpe.

Papilio (H.) Euterpe, *Linnæus*, "alis oblongis, integerrimis, nigris,

* Fulva.

albo punctatis, fascia fulva: habitat in America." *Cramer, Pap. Exot.* iii. pl. 246. fig. D (1782).

Fabricius, Syst. Ent. p. 465. n. 97 (1775); *Sp. Ins.* p. 34. n. 144 (1781); *Mant. Ins.* p. 16. n. 165 (1787); *Ent. Syst.* iii. p. 178. n. 552 (1793).

South America. (From Mr. Lee's Collection) B.M.

4. Stalachtis Calliope.

Papilio (H.) Calliope, *Linnæus*, "alis oblongis, integerrimis, luteis; anticis striis tribus, posticis fasciis tribus, nigris: habitat in Indiis." *Clerck, Icon.* pl. 41. fig. 4 (1764).

Fabricius, Syst. Ent. p. 459. n. 70 (1775); *Sp. Ins.* p. 27. n. 107 (1781); *Mant. Ins.* p. 13. n. 125 (1787); *Ent. Syst.* iii. p. 160. n. 493 (1793).

South America. (From Mr. Lee's collection) B.M.

There are two worn specimens of *P. Calliope* in the Banksian Collection in the British Museum.

Family III. LYCÆNIDÆ, *Stephens*,

Cat. fam. 3 (1829).

Subfamily I. *LYCÆNINÆ.*

Species generally having ocellate markings on the under surface, and without long tails to the hind wings.

Genus 1. EPITOLA, *Westwood*,

Gen. Diurn. Lepid. p. 470 (1852).

1. Epitola Posthumus.

Papilio (N.) Posthumus, *Fabricius*, "alis falcatis, integerrimis, fuscis, disco cæruleo; posticis subtus griseis, immaculatis: habitat . . . ."

Fabricius, Ent. Syst. iii. p. 149. n. 458 (1793).

Not in the collection of the British Museum.

This species is well figured in the unpublished 'Icones' of the late Mr. Jones; a copy of the drawing also exists amongst a collection of sketches made by Donovan in the Hope Museum at Oxford.

2. Epitola Honorius.

Papilio (N.) Honorius, *Fabricius*, "alis integerrimis, cæruleis; anticis apice atris costaque fusca; posticis basi nigro punctatis, apice striatis: habitat . . . . ." *Donovan, Nat. Rep.* iv. pl. 119 (1826).

Fabricius, Ent. Syst. p. 149. n. 458 (1793).

Not in the collection of the British Museum.

In the 'Genera of Diurnal Lepidoptera' *P. Honorius* is referred with doubt to the genus *Euryphene* (*Nymphalinæ*). Donovan's figure represents an insect with six walking legs and neuration of the *Pieris* type; but in the original drawing by Jones the discoidal cells are open in both wings, which will remove it at once from this group of insects. The colouring of the under surface, resembling the *Acræinæ* of the *Esebria* group (genus *Planema*), indicates its probable habitat as African.

Since the above was written Mr. Hewitson has received an allied species from the Camaroons and Old Calabar.

Genus 2. MILETUS, *Hübner*,

Verz. bek. Schmett. p. 71 (1816).

1. **Miletus Narcissus.**

Papilio (P. R.) Narcissus, *Fabricius*, "alis dentatis, fuscis, disco cærulescente; subtus fasciis maculisque sanguineis, argente marginatis: habitat in Nova Hollandia." *Donovan, Ins. New Holland*, pl. 30. fig. 3 (1805).

Fabricius, Syst. Ent. p. 524. n. 342 (1775); *Sp. Ins.* p. 122. n. 544 (1781); *Mant. Ins.* p. 71. n. 675 (1787); *Ent. Syst.* iii. p. 290. n. 110 (1793).

Not in the collection of the British Museum.

The type specimen of *P. Narcissus* is in the Banksian Collection in the British Museum.

2. **Miletus Livius.**

Hesperia (R.) Livius, *Fabricius*, "alis integerrimis, atris, macula disci cærulea; posticis subtus cinereis, fasciis rufis argenteo marginatis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 46. fig. 4 (1800).

Fabricius, Ent. Syst. iii. p. 315. n. 193 (1793).

There is a species allied to *P. Livius* in the British-Museum collection, from Amboina.

3. **Miletus Polycletus.**

♀. Papilio (P. U.) Polycletus, *Linnæus* [P. Polycletes, *Clerck*], "alis subcaudatis, viridi-fuscis, anticis macula alba, subtus argenteo punctatis: habitat in Indiis." *Clerck, Icon.* pl. 17. fig. 2 (1764); *Cramer, Pap. Exot.* ii. pl. 159. figs. F, G (1779).

Fabricius, Syst. Ent. p. 534. p. 391 (1775); *Sp. Ins.* p. 135. n. 627 (1781); *Mant. Ins.* p. 89. n. 808 (1787); *Ent. Syst.* iii. p. 344. n. 308 (1793).

Amboina. (Obtained 1859, collected by A. R. Wallace, Esq.) B.M.

4. **Miletus Apelles.**

Papilio (P. R.) Apelles, *Fabricius*, "alis dentatis, fulvis, limbo

fusco; posticis subtus fasciis rufis, argenteo marginatis: habitat in Nova Hollandia." *Donovan, Ins. New Holland*, pl. 30. fig. 2 (1805).

Fabricius, Syst. Ent. p. 524. n. 343 (1775); *Sp. Ins.* p. 122. n. 546 (1781); *Mant. Ins.* p. 71. n. 676 (1787); *Ent. Syst.* iii. p. 290. n. 111 (1793).

Champion Bay, Australia. (Obtained 1867, collected by Mr. Du Boulay) B.M.

The type specimen of *P. Apelles* is in the Banksian Collection in the British Museum.

Genus 3. ANOPS, *Boisduval*,

Suit. Buff. i. pl. 7 c (1836).

1. **Anops Æsopus.**

♀. Papilio (P. R.) Æsopus, *Fabricius*, "alis integerrimis, supra fuscis, macula alba; subtus albis immaculatis: habitat in India orientali."

Fabricius, Sp. Ins. p. 125. n. 565 (1781); *Mant. Ins.* p. 79. n. 719 (1787); *Ent. Syst.* iii. p. 307. n. 164 (1793).

♂ ♀, Moulmein, E. Indies. (Obtained 1843, from Archdeacon Clerck) B.M.

The type of *A. Æsopus* is in the Banksian Collection in the British Museum.

2. **Anops Phædrus.**

♂. Papilio (P. R.) Phædrus, *Fabricius*, "alis integerrimis, fulvis, margine fusco; subtus albis immaculatis: habitat in India orientali." P. Cinyra, *Cramer, Pap. Exot.* iii. pl. 238. fig. C (1782).

Fabricius, Sp. Ins. p. 125. n. 566 (1781); *Mant. Ins.* p. 79. n. 720 (1787); *Ent. Syst.* iii. p. 307. n. 165 (1793).

Ceylon. (Presented 1852, by Dr. R. Templeton; collected by Mrs. Templeton) B.M.

The type of *A. Phædrus* is in the Banksian Collection in the British Museum.

Genus 4. GERYDUS, *Boisduval*,

Suit. Buff. i. pl. 7 c (1836).

1. **Gerydus Symethus.**

Papilio (P. R.) Symethus, *Cramer*, "alis subcaudatis, fuscis, macula disci alba, anticis apice atris: habitat in America." *Pap. Exot.* ii. pl. 149. figs. B, C (1779).

Fabricius, Sp. Ins. p. 119. n. 528 (1781); *Mant. Ins.* p. 69. n. 656 (1787); *Ent. Syst.* iii. p. 280. n. 76 (1793).

Moulmein, E. Indies. (Presented 1843, by Archdeacon Clerk) B.M.

2. Gerydus? Plautus.

Papilio (H. R.) Plautus, *Fabricius*, "alis dentatis, fuscis, supra immaculatis, subtus lineolis transversis, atris albisque: habitat in Indiis."

Fabricius, Ent. Syst. iii. p. 291. n. 113 (1793).

In the 'Genera of Diurnal Lepidoptera' this species is referred with doubt to the genus *Methone* (*Erycinidæ*). It may be a species of *Gerydus*; but it differs from any species in the British-Museum collection.

Genus 5. PITHECOPS, *Horsfield*,
Cat. Lepid. pl. 1. fig. 2 (1828).

1. Pithecops Hylax.

Papilio (P. R.) Hylax, *Fabricius*, "alis integerrimis, supra fuscis, immaculatis; subtus cinereis, nigro punctatis; habitat in India orientali."

Fabricius, Syst. Ent. p. 526. n. 351 (1775); *Sp. Ins.* p. 124. n. 559 (1781); *Mant. Ins.* p. 77. n. 709 (1787); *Ent. Syst.* iii. p. 304. n. 152 (1793).

Java. (In the Horsfield Cabinet) B.M.

This is not the species figured as *P. Hylax* by Donovan (Ins. Ind. pl. 46. fig. 2); the latter does not agree with the Fabrician description, "Alæ subtus cinereæ, punctis nigris, postice arcubus fuscis." The *P. Hylax* of Mr. Doubleday's list is also distinct, being more robust, marked above with white and with more brown lines below; it may stand as *P. Zalmora*, sp. nov.

2. Pithecops Elorea.

Papilio (D.) Elorea, *Fabricius*, "alis rotundatis, integerrimis, albis; anticis apice, posticis macula punctisque marginalibus nigris: habitat . . . . ." *Donovan, Nat. Rep.* ii. pl. 53 (1824).

Fabricius, Ent. Syst. iii. p. 194. n. 603 (1793).

Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

Genus 6. DANIS, *Fabricius*,
Illiger's Magaz. vi. p. 286 (1808).

1. Danis Haraldus.

Papilio (P. R.) Haraldus, *Fabricius*, "alis integerrimis, cæruleis, limbo atro; subtus albis, margine atro punctato: habitat in India orientali."

Fabricius, Mant. Ins. p. 82. n. 744 (1787); *Ent. Syst.* iii. p. 317. n. 201 (1793).

Sumatra. (Obtained 1864) B.M.

2. Danis cyanea.

Papilio (P. R.) cyanus (*sic*), *Fabricius*, "alis bicaudatis, cæruleis, nitidis; subtus disco albo: habitat Surinami." *Pap. Exot.* i. pl. 76. fig. C, D (1779).

Fabricius, Sp. Ins. p. 116. n. 515 (1781); *Mant. Ins.* p. 67. n. 636 (1787); *Ent. Syst.* iii. p. 272. n. 50 (1793).

Not in the collection of the British Museum.

3. Danis? Hyacinthus.

Papilio (P. R.) Hyacinthus, *Cramer*, "alis bicaudatis, cæruleo nitidis, posticis subtus medio albo, fascia alba: habitat in India occidentali." *Pap. Exot.* i. pl. 36. fig. E (1775).

Fabricius, Sp. Ins. p. 116. n. 516 (1781); *Mant. Ins.* p. 67. n. 637 (1787); *Ent. Syst.* iii. p. 273. n. 51 (1793).

Not in the collection of the British Museum.

4. Danis Camillus.

Papilio (H. R.) Isarchus, *Fabricius* [P. Camillus, *Cramer*], "alis integerrimis, cæruleis, posticis fascia alba; subtus albo nigroque variis: habitat in America." *Pap. Exot.* iv. pl. 300. figs. A, B (1782).

Fabricius, Ent. Syst. iii. p. 316. n. 198 (1793).

♂ ♀. Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

Genus 7. LYCÆNA, *Fabricius*,

Illiger's Magaz. vi. p. 285 (1808).

Subgenus 1. CASTALIUS, *Hübner*,

Verz. bek. Schmett. p. 70 (1816).

1. Castalius Rosimon.

Papilio (P. R.) Rosimon, *Fabricius*, "alis caudatis, albis; supra limbo punctisque disci nigris; subtus angulo ani punctis tribus aureis: habitat in India."

Papilio (P. U.) Maimon, *Fabricius*, "alis integris, albis, margine maculisque nigris: habitat in Asia." P. Coridon, *Cramer, Pap. Exot.* iv. pl. 340. figs. C–E (1782).

Fabricius, Syst. Ent. pp. 523, 534, n. 341, 395 (1775); *Sp. Ins.* pp. 121, 137, n. 541, 635 (1781); *Mant. Ins.* pp. 71, 90, n. 672, 817 (1787); *Ent. Syst.* iii. p. 349. n. 327 (1793).

Ceylon. (Presented 1845, by Dr. R. Templeton, collected by Mrs. Templeton) B.M.

There are two specimens of *P. Rosimon* in the Banksian Collection. In the 'Ent. Syst.' Fabricius alters the locality of *P. Maimon* to Cayenne.

Subgenus 2. LAMPIDES, *Hübner*,

Verz. bek. Schmett. p. 70 (1816).

1. **Lampides Juba.** *Pl. II. f. 9.*

Papilio (P. R.) Juba, *Fabricius*, "alis integerrimis, nigris, disco fulvo; subtus fascia strigisque abbreviatis, albis: habitat in Sierra Leon Africæ." L. Comasina, *Boisd. in App. List Lep. Brit. Mus.* p. 40.

Fabricius, Mant. Ins. p. 82. n. 738 (1787); *Ent. Syst.* iii. p. 314. n. 190 (1793).

Ashanti. B.M.

2. **Lampides Lingeus.**

Hesperia (R.) Ericus, *Fabricius* [P. Lingeus, *Cramer*], "alis caudatis, cærulescentibus, subtus albo fuscoque variis; posticis punctis duobus anguli ani: habitat in India." *Pap. Exot.* iv. pl. 379. figs. F, G (1782).

Fabricius, Ent. Syst. iii. p. 281. n. 81 (1793).

Knysna, S. Africa. (Presented 1859, by R. Trimen, Esq.) B.M.

This species is figured in Jones's unpublished 'Icones.'

3. **Lampides Hippocrates.**

Hesperia (R.) Hippocrates, *Fabricius*, "alis caudatis, fuscis, apice albis, subtus albis nigro punctatis: habitat in India." *Donovan, Ins. Ind.* pl. 45. fig. 3 (1800).

Fabricius, Ent. Syst. iii. p. 288. n. 105 (1793).

♂. Sherboro Island, Sierra Leone. (Obtained 1867, from Mr. Salmon's collection; ♀ collected 1858, by Mr. J. Foxcroft) B.M.

4. **Lampides Catilina.**

Hesperia (R.) Catilina, *Fabricius*, "alis integerrimis, fuscis, cæruleo nitentibus; subtus albo fasciatis, ocellisque duobus cæruleis anguli ani: habitat in Americæ meridionalis insulis."

Fabricius, Ent. Syst. iii. p. 304. n. 150 (1793).

Jamaica? B.M.

This is quite distinct from Cramer's *P. Archias*, with which it has been supposed to be synonymous. (See 'G. D. L.')

5. **Lampides Ceraunus.**

Hesperia (R.) Ceraunus, *Fabricius*, "alis integerrimis, fuscis, cæruleo micantibus; subtus cinereis, posticis basi punctis ocellaribus atris, apice ocello punctoque: habitat in Americæ meridionalis insulis."

Fabricius, Ent. Syst. iii. p. 303. n. 149 (1793).

Jamaica. (Obtained 1845, from Mr. Gosse) B.M.

6. Lampides Cassius.

Papilio (P. R.) Cassius, *Cramer*, "alis integris, supra albis; anticis limbo fusco, posticis fimbria punctata: habitat Surinami." *Pap. Exot.* i. pl. 23. figs. C, D (1775).

Fabricius, Gen. Ins. p. 270. n. 360, 361 (1776); *Sp. Ins.* p. 128. n. 579 (1781); *Mant. Ins.* p. 82. n. 743 (1787); *Ent. Syst.* iii. p. 316. n. 197 (1793).

Pará, Lower Amazons. (Collected 1852, by H. W. Bates, Esq.) B.M.

Var. Hesperia (R.) Plinius, *Fabricius*, "alis caudatis, albo fuscoque variis; posticis subtus puncto gemino aureo anguli ani: habitat in Indiis." *Donovan, Ins. Ind.* pl. 41. fig. 1 (1800).

Fabricius, Ent. Syst. iii. p. 284. n. 92 (1793).

Jamaica. (Presented 1861, by Sir John Hearsay, collected by Mr. Elmsley) B.M.

7. Lampides Minereus.

Papilio (P. R.) Minereus, *Fabricius*, "alis integris, fuscis; subtus punctis ocellaribus rubris ocelloque anguli ani: habitat in America meridionali."

Fabricius, Mant. Ins. p. 77. n. 708 (1787); *Ent. Syst.* iii. p. 304. n. 151 (1793).

Not in the British-Museum collection.

8. Lampides? Philiasus.

Papilio (P. R.) Philiasus, *Linnæus*, "alis ecaudatis, fuscis, subtus maculatis; posticis postice supra ocellis duobus, subtus unico: habitat in Africa."

Fabricius, Syst. Ent. p. 529. n. 367 (1775); *Sp. Ins.* p. 130. n. 592 (1781).

P. Philasus (*sic*), *Fabricius, Mant. Ins.* p. 83. n. 757 (1787); *Ent. Syst.* iii. p. 324. n. 229 (1793).

This species appears not to be in the British Museum; and there is no insect so named in the Linnæan Collection.

9. Lampides Theophrastus.

Hesperia (R.) Theophrastus, *Fabricius*, "alis caudatis, fuscescentibus; subtus albis, nigro maculatis; posticis punctis quinque marginalibus aureis: habitat in Marocco."

Fabricius, Ent. Syst. iii. p. 281. n. 82 (1793).

West Africa. (Obtained 1844) B.M.

10. Lampides Amyntas.

Papilio (P. R.) Amyntas, *Denis*, "alis caudatis, cyaneis, margine nigro; subtus cinereis punctis nigris, posticisque duobus ferrugineis

anguli ani: habitat in Austria." P. Tiresias, *Esper, Eur. Schmett.* i. pt. 1. pl. 49. fig. 2 (1777).

Fabricius, Mant. Ins. p. 70. n. 666 (1787); *Ent. Syst.* iii. p. 285. n. 95 (1793).

Turkey. (Obtained 1842, from Herr J. J. Becker) B.M.

11. Lampides Bœticus.

Papilio (P. R.) Bœticus, *Linnæus*, "alis caudatis, cærulescentibus; subtus cinereis albo undatis, angulo ani ocello gemino aurato: habitat in India." *Donovan, Nat. Rep.* v. pl. 148 (1827).

Var. Papilio (P. R.) Damoëtes, *Fabricius*, "alis integerrimis, fuscis; subtus cinereo undatis; posticis ocello gemino aurato: habitat in Nova Hollandia." *Donovan, Ins. New Holland*, pl. 31. fig. 2 (1805).

Fabricius, Syst. Ent. pp. 522, 526, n. 333, 350 (1775); *Sp. Ins.* pp. 119, 124, n. 529, 558 (1781); *Mant. Ins.* pp. 69, 77, n. 657, 707 (1787).

P. Bœtica (*sic*), *Fabricius, Ent. Syst.* iii. pp. 280, 303, n. 77, 148 (1793).

Ceylon. (Presented 1852, by Dr. R. Templeton, collected by Mrs. Templeton; var. *L. Damoëtes*, Java, in Horsf. Cabinet) B.M.

There is one specimen of *P. Bœticus* in the Banksian Collection in the British Museum. Donovan's figure of *P. Damoëtes* is scarcely intelligible.

12. Lampides Parrhasius.

Hesperia (R.) Parrhasius, *Fabricius*, "alis caudatis, cæruleis (fuscis), subtus cinereis albo strigosis; posticis punctis marginalibus aureis: habitat in India." *Donovan, Ins. Ind.* pl. 45. fig 5 (1800).

Fabricius, Ent. Syst. iii. p. 289. n. 108 (1793).

Java. (In the Horsfield Cabinet) B.M.

13. Lampides Cnejus.

Hesperia (R.) Cnejus, *Fabricius*, "alis caudatis, cærulescentibus, limbo fusco; subtus cinereis albo undatis, posticis punctis plurimis baseos duobusque apicis ocellaribus atris: habitat in India orientali."

Fabricius, Ent. Syst. suppl. p. 430. n. 100, 101 (1798).

Java. (In the Horsfield Cabinet) B.M.

14. Lampides Strabo.

Hesperia (R.) Strabo, *Fabricius*, "alis caudatis, cæruleis; subtus cinereis albo undatis; posticis punctis duobus atris marginalibus duobusque anguli ani: habitat in India orientali." L. Kandarpa, *Horsfield.*

Fabricius, Ent. Syst. iii. p. 287. n. 101 (1793).

Moulmein, E. Indies. (Obtained 1843, from Archdeacon Clerk) B.M.

15. Lampides Celeno.

Papilio (P. R.) Celerio (*sic*), *Fabricius* [P. Celeno, *Cramer*], "alis bicaudatis, albis; subtus fasciis fuscis albisque alternis, angulo ani ocello triplici rufo: habitat Surinami." *Pap. Exot.* i. pl. 31. figs. C, D (1775).

Fabricius, Gen. Ins. p. 268. n. 324, 325 (1776); *Sp. Ins.* p. 114. n. 502 (1781); *Mant. Ins.* p. 66. n. 625 (1787); *Ent. Syst.* iii. p. 265. n. 25 (1793).

Sumatra. (Obtained 1854, formerly belonged to Sir Stamford Raffles) B.M.

There is a specimen, probably a variety of *P. Celeno*, in the Banksian Collection in the British Museum. The *P. Celerio* of Jones's 'Icones' is a species allied to the ♂ *L. Elpis* of Horsfield.

16. Lampides Ælianus.

Hesperia (R.) Ælianus, *Fabricius*, "alis caudatis, albis; subtus cinereis albo strigosis, angulo ani ocello atro: habitat in India occidentali."

Fabricius, Ent. Syst. iii. p. 280. n. 79 (1793).

Java. (In the Horsfield Cabinet) B.M.

17. Lampides Parsimon.

Papilio (P. R.) Parsimon, *Fabricius*, "alis integris, fuscis; subtus cinereis albo undatis; posticis basi punctis ocellaribus nigris, apice ocello: habitat in Sierra Leon Africæ." An P. Celæus, *Cramer*?

Fabricius, Syst. Ent. p. 526. n. 349 (1775); *Sp. Ins.* p. 124. n. 557 (1781); *Mant. Ins.* p. 77. n. 706 (1787); *Ent. Syst.* iii. p. 303. n. 147 (1793).

Port Natal. (Obtained 1857, collected by Mr. Gueinzius) B.M.

The type of *P. Parsimon* is in the Banksian Collection in the British Museum, and is well figured in the unpublished 'Icones' of Mr. Jones. Cramer's *P. Celæus* is so badly figured that it looks more like a moth than a butterfly.

18. Lampides Plato. *Pl. II. f. 3.*

Hesperia (R.) Plato, *Fabricius*, "alis caudatis, cæruleis, limbo fusco; subtus cinereis albo undatis, posticis ocello atro pupilla gemina: habitat in Indiis." *Donovan, Ins. Ind.* pl. 45. fig. 2 (1800).

Fabricius, Ent. Syst. iii. p. 288. n. 103 (1793).

Ceylon. (Obtained 1857) B.M.

19. Lampides Democritus.

Hesperia (R.) Democritus, *Fabricius*, "alis caudatis, cæruleis, ni-

tidissimis; subtus nigris albo maculatis: habitat in India orientali." Nila, *Horsfield*.

Fabricius, Ent. Syst. iii. p. 285. n. 94 (1793).

Ceylon. (Obtained 1857) B.M.

Subgenus 3. SCOLITANTIDES*, *Hübner, Verz. bek. Schmett.* p. 68 (1816).

1. **Scolitantides Hylus.**

Papilio (P. R.) Hylus, *Denis*, "alis integris, lunula media punctisque marginalibus nigris; subtus cinereis, punctis ocellaribus: habitat in Austria." P. Amphion, *Esper, Eur. Schmett.* i. pt. 2. pl. 53. fig. 1 (1777).

Fabricius, Mant. Ins. p. 75. n. 696 (1787); *Ent. Syst.* iii. p. 300. n. 136 (1793).

Germany. (Obtained 1841, by Herr J. J. Becker) B.M.

2. **Scolitantides Battus.**

Papilio (P. R.) Sedi, *Fabricius* [P. Battus, *Denis*, 1775], "alis caudatis, cæruleis, margine albo maculato; subtus albis, maculis quadratis nigris fasciaque rufa: habitat in *Sedo Telephio* Germaniæ." *Naturforscher*, ix. pl. 1. figs. 4, 5 (1776).

Papilio (H. R.) Battus, *Denis*, "alis integris, nigris, cæruleo nitidis; subtus albidis punctis atris numerosis, posticis fascia fulva continua: habitat in Germaniæ *Sedo Telephio*."

Fabricius, Sp. Ins. p. 121. n. 538 (1781).

P. Bathus (*sic*), *Fabricius, Mant. Ins.* pp. 70, 76, n. 669, 697 (1787).

P. Battus, *Fabricius, Ent. Syst.* iii. pp. 286, 300, n. 98, 137 (1793).

Tyrol. (Presented 1843, by Dr. Dowler) B.M.

The type of *P. Battus* is in the Banksian Collection in the British Museum.

Subgenus 4. LYCÆNA.

Species typicales.

1. **Lycæna Erinus.**

Papilio (P. R.) Erinus, *Fabricius*, "alis integerrimis, fuscis, subtus cinereis; anticis angulo postico puncto gemino nigro: habitat in Nova Hollandia." L. bimaculosa, *Leach*; P. Erinus, *Donovan, Ins. New Holland*, pl. 31. fig. 3 (1805).

Fabricius, Syst. Ent. p. 525. n. 348 (1775); *Sp. Ins.* p. 124. n. 555 (1781); *Mant. Ins.* p. 77. n. 704 (1787); *Ent. Syst.* iii. p. 302. n. 145 (1793).

Australia. (Obtained 1858, collected by Mr. E. Damel) B.M.

* All the species of this group have a peculiar type of coloration, the fringe of the wings being alternated with black and white, and the spots of the under-surface large and black.

The type of *P. Erinus* is in the Banksian Collection in the British Museum. Donovan's figure is rather exaggerated.

2. Lycæna Erebus.

Papilio (P. R.) Erebus, *Knoch*, "alis integerrimis, cæruleis, margine fusco; subtus fusco cinereis, punctis numerosis ocellaribus: habitat in Germania." *Beiträge*, ii. pl. 6. figs. 6, 7.

Fabricius, Mant. Ins. p. 72. n. 680 (1787); *Ent. Syst.* iii. p. 293. n. 119 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

3. Lycæna Alcon.

Papilio (P. R.) Alcon, *Denis*, "alis integerrimis, cæruleis, margine fusco; subtus fusco cinereis, punctis numerosis ocellaribus: habitat in Austria." Arcas, *Esper, Eur. Schmett.* i. pt. 1. pl. 34. figs. 4, 5 (1777).

Fabricius, Mant. Ins. p. 72. n. 683 (1787); *Ent. Syst.* iii. p. 293. n. 120 (1793).

Paris. (Obtained 1841, from Herr J. J. Becker) B.M.

4. Lycæna Damœtas.

Papilio (P. R.) Cyllarus, *Esper* [P. Damœtas, *Denis*], "alis integris, cæruleis, margine nigro; subtus fusco-cinereis, striga punctorum ocellatorum, posticis basi cæruleis: habitat in *Astragali, Melilothi* floribus." *Eur. Schmett.* i. pt. 1. pl. 33. fig. 1, 2 (1777).

Fabricius, Mant. Ins. p. 72. n. 685 (1789); *Ent. Syst.* iii. p. 294. n. 122 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

The *P. Damœtas* of Fabricius (a species allied to *P. Bœticus*) has been retained by recent authors, and the *P. Damœtas* of Denis sunk as a synonym of *P. Cyllarus*.

5. Lycæna Arion.

Papilio (P. R.) Arion, *Linnæus*, "alis ecaudatis, supra fuscis, disco cæruleo maculis atris; subtus canis, punctis ocellaribus: habitat in Europæ pinetis."

Fabricius, Syst. Ent. p. 524. n. 345 (1775); *Sp. Ins.* p. 122. n. 594 (1781); *Mant. Ins.* p. 71. n. 681 (1787); *Ent. Syst.* iii. p. 293. n. 118 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

6. Lycæna Argiolus.

Papilio (P. R.) Argiolus, *Linnæus*, "alis ecaudatis, supra cæruleis, margine nigris; subtus cærulescentibus punctis nigris dispersis: habitat in Europæ pratis." *Linn. S. N.*

Var. ♀. Papilio (P. R.) Acis, *Fabricius* [nec *Denis*], "alis integris, cæruleis, subtus lacte canis, punctis oblongis nigris simplicibus: habitat in Austria." P. Cleobis, *Esper, Eur. Schmett.* i. pt. 1. pl. 40. fig. 3 (1777).

Fabricius, Syst. Ent. p. 525. n. 347 (1775); *Sp. Ins.* p. 123. n. 551 (1781); *Mant. Ins.* p. 73. n. 686, 687 (1787); *Ent. Syst.* iii. p. 295. n. 123, 124 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

Fabricius altered the description of this species to "alis caudatis; subtus albidis, punctis nigris sparsis."

7. **Lycæna Otis.** *Pl. II. 1.8.11.*

Papilio (P. R.) Otis, *Fabricius*, "alis integerrimis, fuscis, basi cæruleis; subtus cinereis, anticis puncto medio strigaque: posticis punctis numerosis ocellatis: habitat in China."

Fabricius, Mant. Ins. p. 73. n. 689 (1787); *Ent. Syst.* iii. p. 296. n. 127 (1793).

Hong-Kong, China. (Presented 1850, by Capt. Champion, H.M. 95th Regt.) B.M.

This insect, though allied to *P. Lysimon*, is sufficiently distinct to rank as a species.

8. **Lycæna Alsus.**

Papilio (P. R.) Alsus, *Denis*, alis integerrimis, fuscis immaculatis; subtus cinereis, striga punctorum ocellatorum: habitat in Austria." P. minimus, *Esper, Eur. Schmett.* i. pt. 1. pl. 34. fig. 3 (1777).

Fabricius, Mant. Ins. p. 73. n. 628 (1787); *Ent. Syst.* iii. p. 295. n. 125 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

9. **Lycæna Optilete.**

Papilio (P. R.) Optilete, *Esper*, "alis integerrimis, cærulescentibus, margine nigricante; posticis subtus cinereis, punctis ocellaribus atris lunulisque duabus fulvis: habitat in Russia boreali." *Eur. Schmett.* i. pt. 2. pl. 79. figs. 4, 5 (1777).

Fabricius, Mant. Ins. p. 74. n. 691 (1787); *Ent. Syst.* iii. p. 297. n. 131 (1793).

Lapland. (Presented 1843, by J. R. Crowe, Esq., H.B.M. Consul, Alten) B.M.

10. **Lycæna Argiades.**

♀. Papilio (P. R.) Argiades, *Fabricius*, "alis integerrimis, cæruleis, margine nigricante; subtus fusco-cinereis, lunula media strigisque duabus punctorum ocellatorum: habitat in Saxonia." *Var.* L. Iolaüs, *Hübner, Eur. Schmett.* i. pl. 178 (1805).

Fabricius, Mant. Ins. p. 76. n. 698 (1787); *Ent. Syst.* iii. p. 300. n. 138 (1793).

Italy? (Obtained 1846, from Herr J. J. Becker) B.M.

P. Argiades is represented by small examples of Hübner's *L. Iolaüs*; it has no connexion with *L. Esphemus*, to which it is referred in the 'Genera of Diurnal Lepidoptera.'

11. Lycæna Meleager.

Papilio (P. R.) Meleager, *Esper*, "alis dentatis, cæruleis, limbo nigro; subtus canis, punctis ocellaribus nigris: habitat in Germania." *Eur. Schmett.* i. pt. 1. pl. 45. fig. 2 (1777).

Fabricius, Mant. Ins. p. 71. n. 679 (1787); *Ent. Syst.* iii. p. 292. n. 116 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

12. Lycæna Corydon.

Papilio (P. R.) Corydon, *Denis*, "alis integris, cæruleo-argenteis, margine nigro; subtus cinereis, punctis ocellaribus, posticis macula costali alba: habitat in Austria." *Esper, Eur. Schmett.* i. pt. 1. pl. 33. fig. 4 (1777).

Fabricius, Mant. Ins. p. 74. n. 693 (1787); *Ent. Syst.* iii. p. 298. n. 133 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

13. Lycæna Damon.

Papilio (P. R.) Damon, *Denis*, "alis integerrimis, cæruleis; subtus fusco-cinereis punctis numerosis, posticis vitta alba: habitat in *Hedysara Onobrychis* Austriæ." P. Biton, *Esper, Eur. Schmett.* i. pt. 1. pl. 33. fig. 5 (1777).

Fabricius, Mant. Ins. p. 72. n. 684 (1787); *Ent. Syst.* iii. p. 293. n. 121 (1793).

Polish Ukraine. (Presented by Dr. Dowler) B.M.

14. Lycæna Dorylas.

Papilio (P. R.) Dorylas, *Denis*, "alis integris, cæruleis (fuscis); subtus cinereis, anticis puncto medio strigaque postica punctorum ocellatorum: habitat in Austria."

Fabricius, Mant. Ins. p. 75. n. 695 (1787); *Ent. Syst.* iii. p. 299. n. 135 (1793).

Germany. (Obtained 1846, from Herr J. J. Becker) B.M.

15. Lycæna Adonis.

Papilio (P. R.) Adonis, *Denis*, "alis integris, cæruleis, striga marginali atra; subtus cinereis, punctis ocellaribus numerosis, posticis macula centrali alba: habitat in Austria." P. Bellargus, *Esper, Eur. Schmett.* i. pt. 1. pl. 32. fig. 3 (1777).

Fabricius, Mant. Ins. p. 75. n. 694 (1787); *Ent. Syst.* iii. p. 299. n. 134 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

16. **Lycæna Triton.**

Papilio (P. R.) Triton, *Fabricius*, "alis integerrimis, cærulescentibus; subtus striga ferruginea punctisque numerosis nigris: habitat in Russia meridionali."

Fabricius, Mant. Ins. p. 74. n. 692 (1787); *Ent. Syst.* iii. p. 298. n. 132 (1793).

S. Russia? (Obtained 1847, from Herr J. J. Becker) B.M.

Closely allied to the *L. Zephyrus* of Trivaldsky.

17. **Lycæna Argus.**

Papilio (P. R.) Argus, *Linnæus*, "alis ecaudatis; posticis subtus limbo ferrugineo, ocellis cæruleo-argenteis: habitat in Europæ *Rhamno*." *Hübner, Eur. Schmett.* i. pl. 64. figs. 316–318 (1805).

♀. Papilio (P. R.) Acreon, *Fabricius*, "alis integerrimis, fuscis; subtus nigro ocellatis, posticis fascia alba, rubra, strigaque punctorum aureorum: habitat in Russia meridionali."

♂. Hesperia (R.) Amphion, *Fabricius*, "alis integerrimis, cæruleis, nigro marginatis; subtus cinereis nigro ocellatis; posticis lunulis rubris, puncto nigro aureo notatis: habitat in Germania."

Fabricius, Syst. Ent. p. 525. n. 346 (1775); *Sp. Ins.* p. 122. n. 549 (1781); *Mant. Ins.* pp. 74, 76, n. 690, 699 (1787); *Ent. Syst.* iii. pp. 296, 301, n. 128, 139, 140 (1793).

Russia. (Obtained 1850, from Herr J. J. Becker) B.M.

There is one worn specimen of *P. Argus* in the Banksian Collection in the British Museum; the description of *P. Acreon* is rather confused, "Margo lunulis albis, nigris, fulvis, nigris albisque strigosus."

18. **Lycæna Artaxerxes.**

Hesperia (R.) Artaxerxes, *Fabricius*, "alis integerrimis, nigris, anticis puncto medio albo, posticis lunulis rufis; subtus margine albo rufo punctato: habitat in Anglia."

Fabricius, Ent. Syst. iii. p. 297. n. 129 (1793).

Edinburgh, Scotland. B.M.

19. **Lycæna Laius.**

Hesperia (R.) Cajus, *Fabricius* [P. Laius, *Cramer*], "alis integerrimis, fuscis, disco cærulescente; subtus cinereo alboque variis, punctis ocellaribus fuscis: habitat in India orientali." *Pap. Exot.* iv. pl. 319. figs. D, E (1782).

Fabricius, Ent. Syst. iii. p. 296. n. 126 (1793).

Hong-Kong, China. (Presented 1848, by J. C. Bowring, Esq.) B.M.

Genus 8. CHRYSOPHANUS, *Hübner*, *Verz. bek. Schmett.* p. 72 (1816).

1. Chrysophanus Orus.

Papilio (P. R.) Arcas, *Fabricius* [P. Orus, *Cramer*], "alis integerrimis, fulvis, margine punctisque nigris; posticis subtus griseis immaculatis: habitat ad Cap. bon. spei." *Pap. Exot.* iv. pl. 332. figs. E, F (1782).

Fabricius, Mant. Ins. p. 80. n. 728 (1787); *Ent. Syst.* iii. p. 311. n. 179 (1793).

S. Africa. (Obtained 1845, from Mr. Pamplin's collection) B.M.

2. Chrysophanus Helle.

Papilio (P. R.) Hille (*sic*), *Fabricius* [P. Helle, *Denis*], "alis integris, obscuris cæruleo micantibus; omnibus subtus punctis ocellaribus numerosis: habitat Lipsiæ." P. Amphidamas, *Esper, Eur. Schmett.* i. pt. 2. pl. 58. fig. 4 (1777).

Fabricius, Mant. Ins. p. 80. n. 730 (1787).

Hesperia (R.) Helle, *Fabricius, Ent. Syst.* iii. p. 312. n. 181 (1793).

Leipzig. (Presented by Dr. Leach) B.M.

3. Chrysophanus Xanthe.

♀. Papilio (P. R.) Xanthe, *Denis*, "alis subintegris, fuscis, nigro punctatis, fascia marginali fulva; subtus lutescentibus, punctis numerosis: habitat in *Rumice acetosa*."

♂. Papilio (P. R.) Garbus, *Fabricius* [P. Circe, *Denis*], "alis fuscis, nigro punctatis, margine albo; subtus virescentibus, punctis numerosis: habitat in Austriæ *Acetosella*."

Fabricius, Mant. Ins. p. 81. p. 731, 732 (1787); *Ent. Syst.* iii. p. 312. n. 182, 183 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

4. Chrysophanus Phlæas.

Papilio (P. R.) Phlæas, *Linnæus*, "alis subintegris, fulvis, nigro punctatis; subtus canescentibus: habitat in Europa."

Fabricius, Syst. Ent. p. 527. n. 355 (1775); *Sp. Ins.* p. 126. n. 570 (1781); *Mant. Ins.* p. 80. n. 727 (1787); *Ent. Syst.* iii. p. 311. n. 178 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

There are two examples of *P. Phlæas* in the Banksian Collection in the British Museum.

Var. Papilio (P. R.) Timeus, *Cramer*, "alis caudatis, fulvo fuscoque variis; anticis subtus punctis ocellaribus atris: habitat Surinami." *Pap. Exot.* ii. pl. 186. figs. E, F (1779).

Hesperia (R.) Eleus, *Fabricius*, "alis emarginatis, fuscis, anticis

utrinque disco fulvo nigro punctato, posticis fasciola fulva; subtus cinereis nigro punctatis: habitat in Germania."

Fabricius, Sp. Ins. p. 120. n. 536 (1781); *Mant. Ins.* p. 70. n. 669 (1787); *Ent. Syst.* iii. p. 285. n. 96 (1793); *Ent. Syst.* suppl. p. 430. n. 180, 181 (1798).

Mussowrah, N. India. (Obtained 1846, from Mr. Leadbeater) B.M.

5. Chrysophanus Chryseis.

Papilio (P. R.) Chryseis, *Denis*, "alis aureis, margine cærulescente, posticis subdentatis; subtus obscure griseis, punctis ocellaribus numerosis: habitat in Austria."

Fabricius, Mant. Ins. p. 79. n. 725 (1787); *Ent. Syst.* iii. p. 309. n. 174 (1793).

Germany. (Presented by Dr. Leach) B.M.

6. Chrysophanus Hyllus.

Papilio (N. P.) Hylla, *Fabricius* [P. Hyllus, *Cramer*], "alis dentatis, fulvis, nigro punctatis; posticis basi supra fuscis, subtus albidis: habitat in Oriente." *Pap. Exot.* i. pl. 44. figs. B, C (1776).

Fabricius, Gen. Ins. p. 266. n. 304, 305 (1776); *Sp. Ins.* p. 106. n. 466 (1781); *Mant. Ins.* p. 59. n. 572 (1787); *Ent. Syst.* iii. p. 253. n. 784 (1793).

Coldwater, near Orilla, Canada West. (Obtained 1856, collected by Mr. Bush) B.M.

7. Chrysophanus Hippothoë.

Papilio (P. R.) Hippothoë, *Linnæus*, "alis integris, margine albo; subtus cinereis, punctis ocellaribus numerosis: habitat in Europæ pratis sylvaticis." *Esper, Eur. Schmett.* i. pt. 1. pl. 38. fig. 1 (1777).

Fabricius, Gen. Ins. p. 270. n. 353, 354 (1776); *Sp. Ins.* p. 126. n. 568 (1781); *Mant. Ins.* p. 79. n. 723 (1787); *Ent. Syst.* iii. p. 309. n. 172 (1793).

South Europe. B.M.

There is one worn specimen of *P. Hippothoë* in the Banksian Collection in the British Museum.

8. Chrysophanus Thersamon.

Papilio (P. R.) Thersamon, *Esper*, "alis subcaudatis, fulvis; subtus punctis ocellaribus numerosis, anticis fulvis, posticis cinereis: habitat in Russia australiore." *Eur. Schmett.* i. pt. 2. pl. 89. fig. 6 (1777).

Fabricius, Mant. Ins. p. 81. n. 733 (1787); *Ent. Syst.* iii. p. 313. n. 184 (1793).

Hungary. (Obtained 1850, from Herr J. J. Becker) B.M.

9. Chrysophanus Lampetie.

Papilio (P. R.) Hiere, *Fabricius* [P. Lampetie, *Denis*], "alis fuscis,

nigro punctatis; subtus cinereis, punctis ocellaribus numerosis: habitat in Austria." *Hübner, Eur. Schmett.* i. pl. 71. figs. 356, 357 (1805).

Fabricius, Mant. Ins. p. 80. n. 726 (1787); *Ent. Syst.* iii. p. 310. n. 177 (1793).

Polish Ukraine. (Presented 1843, by Dr. Dowler) B.M.

10. Chrysophanus Salustius.

♀. Hesperia (R.) Salustius, *Fabricius*, "alis integerrimis, fulvis, nigro variis; anticis subtus nigro punctatis, posticis cinereis fusco maculatis: habitat in India." C. Edna, *Doubleday*.

Fabricius, Ent. Syst. iii. p. 310. n. 175 (1793).

♂ ♀, New Zealand. (Presented 1853, by the Rev. W. Colenso) B.M.

11. Chrysophanus Ballus.

Papilio (P. R.) Ballus, *Fabricius*, "alis integris, fulvis (fœminæ fuscis) margine fusco; subtus anticis nigro punctatis, posticis viridibus, margine fusco: habitat in Hispania."

Fabricius, Mant. Ins. p. 80. n. 729 (1787); *Ent. Syst.* iii. p. 311. n. 180 (1793).

Spain. (Presented 1846, by Benjamin Frend, Esq.) B.M.

12. Chrysophanus Virgaureæ.

Papilio (P. R.) Virgaureæ, *Linnæus*, "alis subangulatis, fulvis, margine fusco; subtus punctis nigris albisque: habitat in *Solidagine virgaureæ*."

Fabricius, Syst. Ent. p. 527. n. 354 (1775); *Sp. Ins.* p. 126. n. 569 (1781); *Mant. Ins.* p. 79. n. 724 (1787); *Ent. Syst.* p. 309. n. 173 (1793).

Near Heidelberg. (Presented 1850, by S. P. Freeman, Esq.) B.M.

There are two mutilated specimens of *P. Virgaureæ* in the Banksian Collection.

Genus 9. THESTOR*, *Hübner*,

Verz. bek. Schmett. p. 73 (1816).

1. Thestor Tarquinius.

Hesperia (R.) Tarquinius, *Fabricius*, "alis integerrimis, nigris; anticis macula oblonga baseos sinuata, posticis angulo ani flavo nigro maculato: habitat in Indiis." *Donovan, Ins. Ind.* pl. 44. fig. 1 (1800).

Fabricius, Ent. Syst. iii. p. 319. n. 207 (1793).

Nova Scotia. (Obtained from Mr. Redman) B.M.

* Identical with Felder's *Naïs*.

This species has somewhat the appearance of *Lemonias Borsippina* (*Erycinidæ*); it is figured twice over in Jones's 'Icones.'

2. Thestor Suetonius.

♀. Hesperia (R.) Suetonius, *Fabricius*, "alis integerrimis, flavis, limbo fusco; subtus anticis punctis atro-argenteis, posticis cinereis: habitat in Indiis."

Fabricius, Ent. Syst. iii. p. 320. n. 213 (1793).

South Africa. (Presented by the Earl of Derby) B.M.

3. Thestor Protumnus.

Papilio (P. U.) Silvius, *Fabricius* [P. Protumnus, var., *Linnæus*], "alis ecaudatis, fuscis, disco flavescente, fusco maculato; posticis subtus cinereis fusco undatis: habitat ad Cap. bon. spei." P. Protumnus, *Donovan, Nat. Rep.* v. pl. 161 (1827); *var.* P. Petalus, *Cramer, Pap. Exot.* iii. pl. 243. figs. C, D (1782).

Fabricius, Mant. Ins. p. 88. n. 800 (1787); *Ent. Syst.* iii. p. 342. p. 299 (1793).

South Africa. (From Mr. Children's collection) B.M.

Placed, in the 'Genera of Diurnal Lepidoptera,' amongst "*Hesperidæ* of doubtful location."

4. Thestor Bibulus.

♂. Papilio (H. R.) Bibulus, *Fabricius*, "alis integerrimis, fuscis; subtus albis*, posticis fascia argentea fusco punctata: habitat in Indiis." *Donovan, Ins. Ind.* pl. 46. fig. 1 (1800).

Fabricius, Ent. Syst. iii. pp. 307, 317, n. 163, 199 (1793).

♀. Papilio (H. R.) Laches, *Fabricius*, "alis integerrimis, fuscis; macula disci alba, subtus variegatis; posticis fascia fusca, argenteo marginata: habitat in America."

♂ ♀, British Caffraria. B.M.

Both sexes of *P. Bibulus* are well figured in Jones's 'Icones.' The species is closely allied to, if not identical with, *C. Delegorguei* of Boisduval.

5. Thestor Thyra.

Papilio (P. R.) Thyra, *Linnæus*, "alis unidentatis, nigricantibus, disco fulvo; subtus purpurascentibus, maculis argenteis: habitat ad Cap. bon. spei." *Linn. Syst. Nat.* 789; "in Guinea," *Fab. Syst. Ent.* p. 527.

Fabricius, Syst. Ent. p. 527. n. 356 (1775); *Sp. Ins.* p. 127. n. 573 (1781); *Mant. Ins.* p. 82. n. 736 (1787); *Ent. Syst.* iii. p. 314. n. 188 (1793).

South Africa. (Presented 1844, by Dr. Andrew Smith) B.M.

* Apparently a misprint for "atris," as in several other descriptions.

Fabricius altered the Linnæan description of *P. Thyra* to suit the West-African species *P. Perion*, Cramer; the "alis ecaudatis" of his diagnosis is probably due to mutilation.

6. Thestor Evadrus.

♀. Papilio (P. U.) Evadrus, *Fabricius*, "alis ecaudatis, fuscis, disco fulvo; anticis subtus punctis argenteis subocellatis: habitat ad Cap. bon. spei."

Fabricius, Mant. Ins. p. 89. n. 806 (1787); *Ent. Syst.* iii. p. 343. n. 306 (1793).

♂ ♀, Knysna, S. Africa. (Collected and presented, 1859, by Roland Trimen, Esq.) B.M.

This species comes nearest to Cramer's *P. Nycetus* (Pap. Exot. iv. pl. 380. figs. F, G), of which Felder's *N. Almeida* is a slight variety; it seems, however, to be constantly larger, more brightly coloured above, without dusky base to the wings, and with a distinct black spot at the termination of the hind-wing cell. In the 'Genera of Diurnal Lepidoptera' *P. Nycetus* is made a synonym of Cramer's *P. Pierus*; the two insects, however, differ considerably in both sexes, the latter being more nearly allied to *Zeritis Layardii*, Trimen, a species scarcely distinct from *P. Suetonius*, Fabricius.

Genus 10. SCOPTES*, *Hübner*,

Verz. bek. Schmett. p. 111. n. 1199 (1816).

1. Scoptes Alpheus.

Papilio (P. U.) Alpheus, *Cramer*, "alis subcaudatis, atris, fascia sanguinea; subtus variegatis: habitat ad Cap. bon. spei." *Pap. Exot.* ii. pl. 182. figs. E, F (1779).

Fabricius, Sp. Ins. p. 133. n. 609 (1781); *Mant. Ins.* p. 86. n. 782 (1787).

P. Alphæus (*sic*), *Fabricius, Ent. Syst.* iii. p. 333. n. 265 (1793).

Cape Town, South Africa. (Obtained 1864, collected by Roland Trimen, Esq.) B.M.

Genus 11. PHASIS, *Hübner*,

Verz. bek. Schmett. p. 73. n. 723 (1816).

1. Phasis Rumina.

Papilio (N. P.) Rumina, *Linnæus*, "alis dentatis, variegatis; supra anticis punctis sex, posticis quatuor rubris; alis ex coccineo, luteo, argenteo nigroque variegatis: habitat in Europa australi." *Drury, Ill.* i. pl. 2. fig. 1 (1770).

Papilio (P. R.) Thero, *Linnæus*, "alis dentatis, subbicaudatis,

* *Capys* of Hewitson.

nigricantibus maculis fulvis; subtus maculis argenteis: habitat in Africa."

Papilio (N. P.) Erosine, *Fabricius*, "alis dentatis, fuscis; anticis punctis septem, posticis tribus rubris; subtus anticis punctis tribus argenteis: habitat ad Cap. bon. spei."

Fabricius, Syst. Ent. pp. 513, 520, n. 299, 328 (1775); *Sp. Ins.* pp. 96, 117, n. 418, 520 (1781); *Mant. Ins.* pp. 51, 67, n. 506, 642 (1787); *Ent. Syst.* iii. p. 274. n. 57 (1793).

Cape Town, South Africa. (Obtained 1864, collected by Roland Trimen, Esq.) B.M.

Genus 14. ZERITIS, *Boisduval*, *Suit. Buff.* i. pl. 6 c (1836).

1. Zeritis Harpax.

♀. Papilio (P. R.) Harpax, *Fabricius*, "alis caudatis, fulvis, nigro maculatis; subtus cinereis, punctis aureis: habitat in America."

Fabricius, Syst. Ent. app. p. 829. n. 327, 328 (1776); *Sp. Ins.* p. 117. n. 521 (1781); *Mant. Ins.* p. 67. n. 643 (1787); *Ent. Syst.* iii. p. 274. n. 59 (1793).

♂, S. Africa (presented 1861, by E. Jenner, Esq., entered in the Register as "*Z. calocircus*, var.?"); ♀, Port Natal (obtained 1858, collected by Mr. Gueinzius). B.M.

This species varies much in size; the smallest form is figured by Hopffer in Peters's 'Reise nach Mossambique,' pl. 26. figs. 1–3 (1862); the habitat given (p. 404) is the south side of the east and west coasts of Africa; we have it from Whydah.

2. Zeritis Perion.

Papilio (P. R.) Perion, *Cramer*, "alis caudatis, fulvis, supra limbo fasciisque fuscis; subtus auro punctatis: habitat Surinami." *Pap. Exot.* iv. pl. 379. figs. B, C (1782).

Fabricius, Mant. Ins. p. 68. n. 645 (1787); *Ent. Syst.* iii. p. 275. n. 61 (1793).

♂ ♀, Sierra Leone. (Obtained 1858, collected by James Foxcroft) B.M.

This species stands in the Linnæan collection labelled "*P. Perion*, Fabr.," on the authority of Mr. Jones. It is nearly allied to *P. Harpax*, which also extends into West Africa. Cramer's figure is not good.

3. Zeritis Thysbe.

Papilio (P. R.) Thysbe, *Linnæus*, "alis denticulatis, subcaudatis, fulvis, nigro maculatis; posticis subtus striatis auroque maculatis: habitat in Africa."

Aberr. Papilio (P. R.) Nais, *Cramer*, "alis dentatis, subcaudatis, basi argentatis aureo striatis: habitat ad Cap. bon. spei." *Pap. Exot.* i. pl. 47. figs. D, E (1779).

Fabricius, Syst. Ent. p. 524. n. 344 (1775); *Sp. Ins.* p. 122. n. 546, 547 (1781); *Mant. Ins.* p. 71. n. 677, 678 (1787); *Ent. Syst.* iii. p. 292. n. 114, 115 (1793).

Interior of South Africa. (Presented 1840, by Sir Andrew Smith) B.M.

There are two shattered specimens (possibly *P. Palmus* of Cramer) in the Banksian Collection in the British Museum. *P. Nais* is intermediate between *P. Thysbe* proper and the insect figured in the 'Proceedings of the Zoological Society,' pl. 17. fig. 5 (1868).

4. Zeritis Zeuxo.

Papilio (P. R.) Zeuxo, *Linnæus*, "alis integris, disco fulvo, nigro maculato; anticis subtus argenteo maculatis: habitat in Africa."

Fabricius, Syst. Ent. p. 527. n. 357 (1775); *Sp. Ins.* p. 127. n. 574 (1781); *Mant. Ins.* p. 82. n. 737 (1787); *Ent. Syst.* iii. p. 314. n. 189 (1793).

Cape Town, S. Africa. (Obtained 1868, collected by Roland Trimen, Esq.) B.M.

Z. Zeuxo is figured in Jones's 'Icones.'

5. Zeritis Lucanus.

♀. Hesperia (R.) Lucanus, *Fabricius*, "alis integerrimis, nigris, disco flavo; posticis subtus rubris, maculis quadratis fuscis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 43. fig. 4 (1800).

Fabricius, Ent. Syst. iii. p. 322. n. 221 (1793).

♂ ♀, Australia. (Obtained 1846, from Herr J. J. Becker) B.M.

The figure of the under surface of *P. Lucanus* in Jones's 'Icones' seems far too highly coloured.

6. Zeritis Lara.

Papilio (P. R.) Lara, *Linnæus*, "alis integerrimis, subtestaceis; supra anticis uniocellatis, posticis biocellatis: habitat in Africa."

Fabricius, Syst. Ent. p. 528. n. 358 (1775); *Sp. Ins.* p. 127. n. 575 (1781); *Mant. Ins.* p. 82. n. 729 (1787); *Ent. Syst.* iii. p. 315. n. 191 (1793).

Cape Town, S. Africa. (Obtained 1860, collected by Roland Trimen, Esq.) B.M.

Subfamily II. *THECLINÆ*.

Wings caudate, varied with transverse streaks on the under surface.

Genus 1. LOXURA, *Horsfield*, *Cat. Lepid. Ins.* p. 119 (1829).

1. Loxura Atymnus.

Papilio (P. R.) Atymnus, *Cramer*, "alis caudatis, fulvis; anticis apice nigris: habitat in Siam." *Pap. Exot.* iv. pl. 331. figs. D, E (1782); *Donovan, Ins. China*, pl. 39. fig. 1 (1798).

Fabricius, Mant. Ins. p. 70. n. 662 (1787); *Ent. Syst.* iii. p. 283. n. 88 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

The Fabrician type of *P. Atymnus* is in the Banksian Collection in the British Museum.

2. Loxura Silenus.

Papilio (P. U.) Silenus, *Fabricius*, "alis caudatis, fuscis; subtus brunneis, striga flavescente (cauda filiformi longitudine fere alæ, macula baseos cærulea): habitat in Sierra Leon Africæ."

Var. Papilio (P. R.) Alcides, *Cramer*, "alis caudatis, nigris, cæruleo nitidis; subtus ferrugineis striga flavescente: habitat in Sierra Leon Africæ." *Pap. Exot.* i. pl. 96. figs. D, E (1779).

Fabricius, Syst. Ent. p. 531. n. 378 (1775); *Sp. Ins.* pp. 120, 132, n. 533, 604 (1781); *Mant. Ins.* pp. 70, 85, n. 661, 773 (1787); *Ent. Syst.* iii. pp. 283, 330, n. 86, 253 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The type of *P. Alcides* is in the Banksian Collection in the British Museum.

Genus 2. AMBLYPODIA, *Horsfield*, *Lepid. Ins.* p. 98 (1829).

1. Amblypodia Centaurus.

Papilio (P. R.) Centaurus, *Fabricius*, "alis caudatis, cærulescentibus, limbo fusco; subtus cinereis, maculis baseos ocellaribus: in Nova Hollandia." A. Nakula, *Felder, Nov. Voy.* ii. pl. 29. fig. 14.

Fabricius, Syst. Ent. p. 520. n. 329 (1775); *Sp. Ins.* p. 117. n. 523 (1781); *Mant. Ins.* p. 68. n. 646 (1787); *Ent. Syst.* iii. p. 275. n. 63 (1793).

Sumatra. (Obtained 1854, formerly belonged to Sir Stamford Raffles) B.M.

The type of *P. Centaurus* is in the Banksian Collection in the British Museum, and agrees with Felder's figure.

2. Amblypodia Apidanus.

♂. Papilio (P. R.) Apidanus, *Cramer*, "alis caudatis, cæruleis; posticis subtus fuscis cæruleo variis, angulo ani macula gemina aurata: habitat Surinami." *Pap. Exot.* ii. pl. 137. figs. F, G (1779).

Fabricius, Sp. Ins. p. 119. n. 530 (1781); *Mant. Ins.* p. 69. n. 658 (1787); *Ent. Syst.* iii. p. 280. n. 78 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

Genus 3. DEUDORIX, *Hewitson*, *Diurn. Lepid.* i. p. 16 (1863).

1. Deudorix Eryx.

♀. Papilio (P. R.) Eryx, *Linnæus* [nec Eryx vel Erix, *Cramer*], "alis caudatis, nigris; subtus viridibus, posticis margine subdentato maculatoque: habitat in China."

Fabricius, Syst. Ent. p. 522. n. 336 (1775).

Silhet. (♂ obtained 1847, ♀ 1845, from the Rev. J. Stainsforth) B.M.

This species is evidently the female of *D. Amyntor*. Linnæus describes it thus:—"Alæ omnes supra fuscæ, subtus virescentes; posticæ postice obtuse dentatæ et caudatæ; cauda lineari alba, longitudine fere ipsius alæ; fascia albida et puncta circiter 5 nigra ante marginem posticum; corpus simillimum *P. Marsyæ*" (Mantissa, p. 537).

2. Deudorix Mæcenas.

Hesperia (R.) Mæcenas, *Fabricius*, "alis bicaudatis, atris, disco cæruleo; subtus brunneo nebulosis: habitat in China." *Donovan, Ins. China*, pl. 39. fig. 2 (1798).

Fabricius, Ent. Syst. iii. p. 271. n. 45 (1793).

Hong-Kong, China. (Presented 1861, by J. C. Bowring, Esq.) B.M.

3. Deudorix Sphinx.

Papilio (P. R.) Sphinx, *Fabricius* [nec *Hübner*], "alæ supra cyaneæ, nitidæ, margine anticarum fusco; subtus cinereæ, strigis duabus undatis fuscis; maculæ duæ atræ ad angulum ani, quarum altera antice lunula rufa cingitur, altera major in ipsa cauda alæ; caudæ duæ, anterior tenuissima porrecta, atra apice alba, posterior, rotundata brevior, supra tecta macula rufo-cærulescente; subtus macula magna atra: habitat in India orientali." D. Varuna, *Hewitson* nec *Horsfield*.

Fabricius, Syst. Ent. p. 520. n. 326 (1775).

Java. (Obtained 1849) B.M.

The *D. Varuna* of Horsfield, though allied to this species, seems to be quite distinct.

4. **Deudorix Isocrates.**

♂. Hesperia (R.) Isocrates, *Fabricius*, "alis bicaudatis, fuscis, strigis duabus approximatis undatis obscurioribus, anguloque ani macula gemina atra: habitat in India."

♀. Hesperia (R.) Pann, *Fabricius*, "alis caudatis, fuscis; anticis macula fulva; posticis atra submarginali; subtus cinereis, ocellis duobus anguli ani: habitat in India." *Donovan, Ins. Ind.* pl. 38. fig. 1 (1800).

Fabricius, Ent. Syst. iii. pp. 266, 276, n. 29, 67 (1793).

♂ ♀, Barrackpore, India. (Presented 1861, by Sir John Hearsay) B.M.

5. **Deudorix Melampus.**

Papilio (P. R.) Jarbus, *Fabricius* [P. Melampus, *Cramer*], "alis caudatis, fulvis, limbo fusco; subtus cinereis striga alba, posticis punctis duobus atris: habitat in Siam." *Pap. Exot.* iv. pl. 362. figs. G, H (1782); *Donovan, Ins. Ind.* pl. 40. fig. 3 (1800).

Fabricius, Mant. Ins. p. 68. n. 648 (1787).

Hesperia (R.) Jarbes (*sic*), *Fabricius, Ent. Syst.* iii. p. 276. n. 65 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

P. Jarbus differs from the typical *P. Melampus* in having blackened veins to the anterior wings; Donovan's figure is not characteristic.

6. **Deudorix ? Phidias.**

Hesperia (R.) Phidias, *Fabricius*, "alis caudatis, cærulescentibus, limbo fusco; subtus cinereis, omnibus puncto anguli ani atro: habitat in India."

Fabricius, Ent. Syst. iii. p. 286. n. 99 (1793).

Not in the British-Museum collection.

This remarkable species, figured in the unpublished 'Icones' of the late Mr. Jones, was referred by Prof. Westwood to the genus *Lycæna*, which may perhaps be the proper place for it; it seems, however, to have some characters in common with *Deudorix*. This species has lately been figured by Mr. Hewitson as "*Hypolycæna Rabe*, Boisd." (Diurn. Lepid. iv. suppl. p. 12, pl. 5. figs. 30, 31: 1869).

Genus 4. THECLA, *Fabricius*,
Illiger, Mag. vi. p. 286 (1808).

1. **Thecla Betulæ.**

Papilio (P. R.) Betulæ, *Linnæus*, "alis subcaudatis, fuscis, subtus luteis; posticis strigis duabus albis: habitat in *Betula, Pruno spinosa*."

Fabricius, Syst. Ent. p. 520. n. 330 (1775); *Sp. Ins.* p. 118.

[illegible] Mant. Ins. 1. p. 1. tab. 1. f. 1. (1787). Fab. Syst. Ill. 1. p. 1. n. 1. (1801).

Germany. Bred. [illegible] from Herr J. J. Becker B.M.

This represents the typical Pieris of Linnæus, of which the genus Pieris (Schrank) including Pieris brassicæ Linn. and P. Rapæ Auct., will form a section.

Section Leptosia. Westwood.

Gen. Diurn. Lepid. p. 47. (1851).

2. Pieris Inarete.

Papilio P. Inarete. Linnæus, "alis subtus albis, anticis nigro maculatis, apice alba punctisque duobus nigris: habitat in Java."

Pieris Inar. Fab. Ent. Syst. 1. p. 511. n. 111. (1793). *Sp. Ins.* p. 111. n. 127. (1794). *Mant. Ins.* p. 11. n. 160. (1787): *Fab. Syst. Ill.* 1. p. 2. n. 12. (1801).

Germany. Bred 1845. from Herr J. J. Becker B.M.

There are two specimens of *P. Inarete* in the Banksian Collection in the British Museum.

Genus 5. APHNÆUS. *Hübner.*

Verz. bek. Schmett. p. 81. (1816).

1. Aphnæus Vulcanus.

Papilio P. V., Vulcanus, Fabricius, "alis ticandatis supra fuscis, fascia maculis quatuor; anticis strigis tribus, fulvis argenteisque variegatis: habitat in India orientali." *Donovan, Ins. Ind.* pl. 35. fig. 3 (1800).

Fabricius, Syst. Ent. p. 519. n. 323 (1775): *Sp. Ins.* p. 114. n. 169 (1781); *Mant. Ins.* p. 66. n. 622 (1787): *Ent. Syst.* iii. p. 264. n. 22 (1793).

Ceylon. (*Presented 1852, by Dr. R. Templeton, collected by Mrs. Templeton*) B.M.

There are two specimens of P. Vulcanus in the Banksian Collection; the name *P. Fulvia*, generally applied to this species, being of later date, cannot stand.

2. Aphnæus Pindarus.

Hesperia (R.) Pindarus, *Fabricius*, "alis subtricandatis, cæruleis, limbo atro; anticis fuscis argenteo fulvoque maculatis: habitat in India." *Donovan, Ins. Ind.* pl. 38. fig. 2 (1800).

Fabricius, Ent. Syst. iii. p. 262. n. 15 (1793).

Not in the collection of the British Museum.

Genus 6. MYRINA, *Fabricius*,

Illiger's Magaz. vi. p. 286 (1808).

1. **Myrina Phocides.**

♀. Hesperia (R.) Phocides, *Fabricius*, "alis caudatis, supra fuscis; posticis albis, punctis duobus nigris: habitat in Africa." *Donovan, Nat. Rep.* ii. pl. 44. fig. 1 (1824).

Fabricius, Ent. Syst. iii. p. 282. n. 85 (1793).

♂, Moulmein, E. Indies. (Obtained 1843, from Archdeacon Clerk) B.M.

The type of *P. Phocides* is in the Banksian Collection; it is not the insect figured by Mr. Hewitson, which is the true female of Felder's *M. Jolcus*, but it is the female of an Indian representative of Horsfield's *M. Sugriva*, of which we have the male.

2. **Myrina Freja.**

Hesperia (R.) Freja, *Fabricius*, "alis bicaudatis, fuscis, subtus disco albo, striga undata, anticarum fulva, posticarum atra: habitat Tranquebariæ." M. Jaffra, *Horsfield, Cat. Lep. Mus. E. I. C.* pl. 11. figs. 5, 5*a*.

Fabricius, Ent. Syst. iii. p. 263. n. 19 (1793).

Moulmein, E. Indies. (Obtained 1843, from Archdeacon Clerk) B.M.

See Proc. Zool. Soc. pp. 34, 36, figs. 1, 1*a* (1867).

3. **Myrina Etolus.**

Papilio (P. R.) Etolus, *Fabricius*, "alis bicaudatis; anticis nigris, posticis cærulescentibus; subtus albidis, puncto baseos duabusque apicis atris: habitat in Indiis."

Fabricius, Mant. Ins. p. 66. n. 620 (1787); *Ent. Syst.* iii. p. 264. n. 20 (1793).

Java. (Obtained 1835) B.M.

4. **Myrina Timon.**

Papilio (P. R.) Timon, *Fabricius*, "alis tricaudatis, fuscis, basi virescentibus; subtus albis, posticis fascia abbreviata sanguinea: habitat in America meridionali."

Fabricius, Mant. Ins. p. 65. n. 611 (1787); *Ent. Syst.* iii. p. 260. n. 9 (1793).

Not in the British-Museum collection, but recently obtained by Mr. Druce from Old Calabar; allied to *M. Mœsa* of Hewitson.

In his 'Naturalist's Repository,' iii. pl. 97 (1825), Donovan figures the *Iolaüs Silas* of Hewitson (Port Natal) as this species, and remarks that "Fabricius refers for the specimen he describes to the cabinet of Dr. Hunter, in which there may perhaps be other examples of the same insect; but we are well assured, from the Fabrician MS., that the description of the species which he has left

us was taken from the drawing in the collection of Mr. Jones, and that this drawing was copied from the specimen in the cabinet of Mr. Drury; subsequently this rarity came into our own possession." On referring, however, to Jones's 'Icones,' to which a MS. Fabrician list of species is appended, no assertion to this effect is inserted, nor is the figure itself named by Fabricius, but by Mr. Jones; it is evident also that the description in the 'Mantissa' was not taken from Drury's specimen, inasmuch as it does not at all agree with it.

The identification of *P. Timon* has now been settled beyond all dispute through the courtesy of John Gibson, Esq., of Glasgow, who has not only examined and sketched the original type in the Hunterian Museum, but has forwarded with his sketches the following careful description of the insect; the latter appears to be in a very mutilated condition:—

Papilio Timon. "Nearly of the size drawn (2 inches), the longest tail, which is the one next the body, being about $\frac{11}{16}$ of an inch long. The colouring of the upperside is very much faded; it is a sort of sepia-brown*, in the front wing the brown is darker at the outside; the hind wing and tail are of a cream-colour, which in the front part of the wing passes off into the brown of the fore wing; the spots and lines are black, except one next the centre of the wing, which is dull brown. The underside is very perfect; it is of a pale cream-colour all over, with two large black spots in the hind wing connected by an irregular band of red; round the inner side of each black spot is a very narrow edge of bright blue."

5. Myrina Lisias.

Papilio (P. R.) Lisias, *Fabricius*, "alis tricaudatis; anticis fuscis, macula fulva; posticis subtus albis, nigro maculatis: habitat in Pulicandor." *Donovan, Ins. Ind.* pl. 40. fig. 1 (1800).

Fabricius, Mant. Ins. p. 65. n. 615 (1787); *Ent. Syst.* iii. p. 261. n. 12 (1793).

Barrackpore, India. (Presented 1861, by Sir John Hearsay) B.M.

The type of *M. Lisias* is in the Banksian Collection in the British Museum. Donovan's figure is most incorrect; the hind wings should be dark brown, not fulvous.

6. Myrina Amor.

Papilio (P. R.) Amor, *Fabricius*, "alis tricaudatis, fuscis; subtus disco variegato strigaque postica aurea: habitat in India orientali."

Fabricius, Syst. Ent. p. 518. n. 321 (1775); *Sp. Ins.* p. 113. n. 491 (1781); *Mant. Ins.* p. 65. n. 610 (1787); *Ent. Syst.* iii. p. 260. n. 7 (1793).

* "Mr. Chapman (a gentleman to whom the keeper of the Museum sent me, as the only one who could find the butterfly for me) thought that the colour towards the base had been a metallic blue; but there was no trace of it remaining, the wing at that part of the upper surface being nearly bare and having only a faded tint of the brown of the rest of that surface."

Ceylon. (Presented 1852, by Dr. Templeton, collected by Mrs. Templeton) B.M.

There is one specimen of *P. Amor*, labelled "*P. Triopas*," in the Banksian Collection in the British Museum; the former, however, is the older name.

7. Myrina Hymen.

♂. Papilio (P. R.) Hymen, *Fabricius*, "alæ anticæ supra fuscæ, macula communi albida ad marginem tenuiorem; subtus fuscæ, lineolis variis transversis albis; posticæ tricaudatæ, albidæ, macula communi marginis anterioris fusca; subtus fuscæ, lineolis plurimis albidis; margo posticus pallidus, macula strigaque terminali atris: habitat in Sierra Leon Africæ."

♀. Papilio (P. R.) Liget, *Cramer*, "alis bicaudatis, albis, apice nigris; subtus fuscis, strigis lunulisque albis: habitat Surinami." *Pap. Exot.* iii. pl. 254. figs. E, F (1782).

♂, *Fabricius, Syst. Ent.* p. 519. n. 322 (1775); *Sp. Ins.* p. 113. n. 495 (1781); ♀, *Sp. Ins.* app. p. 504 (1782); ♂ ♀, *Mant. Ins.* pp. 65, 67, n. 616, 641 (1787); *Ent. Syst.* iii. pp. 262, 274, n. 13, 58 (1793).

Sierra Leone. (♂ presented by the Rev. D. F. Morgan; ♀ collected 1858, by Mr. J. Foxcroft) B.M.

The type of *M. Hymen* is in the Banksian Collection, and was figured by Mr. Jones in his 'Icones;' the Fabrician name has, of course, the claim of priority.

Genus 7. HYPOLYCÆNA, *Felder*, *Wien. ent. Monatschr.* vol. vi. (1862).

1. Hypolycæna Faunus.

Papilio (P. R.) Faunus, *Drury*, "alis tricaudatis, fuscis; subtus albis, strigis duabus fulvis: habitat in Sierra Leon Africæ." *Ill.* ii. pl. 1. figs. 4, 5 (1773).

Hesperia (R.) Hesiodus, *Fabricius*, "alis tricaudatis, atris, disco cæruleo; subtus albis, striga communi virescente, punctisque duobus anguli ani atro-argenteis: habitat in India."

Fabricius, Gen. Ins. p. 266. n. 321, 322 (1776); *Sp. Ins.* p. 113. n. 493 (1781); *Mant. Ins.* p. 65. n. 613 (1787); *Ent. Syst.* iii. pp. 260, 261, n. 8, 11 (1793).

Sierra Leone. (Presented 1838, by the Rev. D. F. Morgan) B.M.

2. Hypolycæna Philippus.

Hesperia (R.) Philippus, *Fabricius*, "alis caudatis, fuscis; subtus albis, strigis duabus fulvis punctisque duobus, anguli ani atris subocellaribus: habitat in India." *Donovan, Ins. Ind.* pl. 42. fig. 3 (1800).

Fabricius, Ent. Syst. iii. p. 283. n. 87 (1793).

Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

3. Hypolycæna Phorbas.

♀. Hesperia (R.) Phorbas, *Fabricius*, "alis caudatis, fuscis, disco albo; subtus albis, cinereo strigosis, punctis duobus anguli ani atris: habitat in India." *Donovan, Ins. Ind.* pl. 41. fig. 5 (1800).

Fabricius, Ent. Syst. iii. p. 277. n. 68 (1793).

♂ ♀, Waigiou. (Obtained 1862, collected by A. R. Wallace, Esq.) B.M.

Mr. Hewitson has figured both sexes of *P. Phorbas*.

Genus 8. IOLAÜS, *Hübner*,

Verz. bek. Schmett. p. 81 (1816).

1. Iolaüs Helius.

Papilio (P. R.) Helius, *Fabricius*, "alis tricaudatis, anticis nigris, posticis cæruleis; subtus cinereis, strigis duabus brunneis, ocellis duobus anguli ani: habitat in Africa æquinoctiali." P. Eurisus, *Cramer, Pap. Exot.* iii. pl. 224. figs. D, E (1782).

Fabricius, Sp. Ins. p. 112. n. 489 (1781); *Mant. Ins.* p. 65. n. 608 (1787); *Ent. Syst.* iii. p. 259. n. 4 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The type of *P. Helius* is in the Banksian Collection in the British Museum, and is figured by Mr. Jones in his 'Icones.'

2. Iolaüs Cippus.

Hesperia (R.) Cippus, *Fabricius*, "alis bicaudatis, cæruleis, limbo fusco; subtus cinereis, posticis punctis duobus apicis atris: habitat in India orientali."

Race. Hesperia (R.) Longinus, *Fabricius*, "alis caudatis, cyaneis, limbo atro; subtus cinereis, posticis striga lunulari punctisque duobus atris: habitat in India orientali."

Fabricius, Ent. Syst. suppl. pp. 429, 430, n. 43, 44, 77, 78 (1798).

P. Cippus, Ceylon (presented 1852, by Dr. R. Templeton, collected by Mrs. Templeton); *P. Longinus*, Assam (obtained 1848, from Mr. Warwick). B.M.

Genus 9. BITHYS, *Hübner*,

Verz. bek. Schmett. p. 75 (1816).

1. Bithys Strephon.

Papilio (P. R.) Strephon, *Fabricius*, "alis caudatis, fuscis, disco cærulescentibus; subtus cinereis, fascia alba, angulo ani ocello gemino rufo: habitat in India orientali."

Fabricius, Syst. Ent. p. 522. n. 334 (1775); *Sp. Ins.* p. 119. n. 531 (1781); *Mant. Ins.* p. 69. n. 659 (1787).

Pará, Lower Amazons. (Presented by Mrs. J. P. G. Smith) B.M.

The type of *P. Strephon* is in the Banksian Collection in the British Museum, and is figured in Jones's 'Icones;' it is identical with Cramer's *P. Sichæus* (which it will supersede), but is quite distinct from *P. Cyllarus*, Cramer. Donovan's figure gives no idea of the insect, so that it is useless to quote it.

2. Bithys Cyllarus.

Hesperia (R.) Strephon (part.), *Fabricius* [P. Cyllarus, *Cramer*]. *Pap. Exot.* i. pl. 27. figs. C, D (1775).

Fabricius, Ent. Syst. iii. p. 281. n. 80 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

3. Bithys Agrippa.

Hesperia (R.) Agrippa, *Fabricius*, "alis tricaudatis, cæruleis, limbo atro; subtus cinereis, striga alba maculisque duabus rufis anguli ani: habitat in America."

Fabricius, Ent. Syst. iii. p. 259. n. 3 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

The *P. Agrippa* of Mr. Doubleday's 'List' is a species of *Strymon* belonging to the *P. Ixion* group.

4. Bithys Dindymus.

Papilio (P. R.) Sphinx (part.), *Fabricius* [P. Dindymus, *Cramer*]. *Pap. Exot.* i. pl. 46. figs. F, G (1779).

Fabricius, Sp. Ins. p. 116. n. 511 (1781); *Mant. Ins.* p. 67. n. 634 (1787); *Ent. Syst.* iii. p. 270. n. 43 (1793).

Venezuela. (Obtained 1844, from Herr J. J. Becker) B.M.

Subgenus 1. TMOLUS, *Hübner*,
Verz. bek. Schmett. p. 76 (1816).

1. Tmolus Sophocles. Pl. II. fig. 5.

Hesperia (R.) Sophocles, *Fabricius*, "alis bicaudatis, nigris, disco communi cæruleo; subtus albis, strigis undatis flavescentibus, posticis puncto apicis fulvo: habitat in Indiis." *Donovan, Ins. Ind.* pl. 40. fig. 2 (1800).

Fabricius, Ent. Syst. iii. p. 267. n. 31 (1793).

Honduras. (Obtained 1845, from Mr. Dyson's collection) B.M.

2. Tmolus Echion.

Papilio (P. R.) Echion, *Linnæus*, "alis bicaudatis, supra fuscis: subtus pallescentibus, fascia rufa ocelloque terminali rubro: habitat in America."

Fabricius, Syst. Ent. p. 519. n. 325 (1775); *Sp. Ins.* p. 115.

Aberr. Papilio (P. R.) Nais, *Cramer*, "alis dentatis, subcaudatis, basi argentatis aureo striatis: habitat ad Cap. bon. spei." *Pap. Exot.* i. pl. 47. figs. D, E (1779).

Fabricius, Syst. Ent. p. 524. n. 344 (1775); *Sp. Ins.* p. 122. n. 546, 547 (1781); *Mant. Ins.* p. 71. n. 677, 678 (1787); *Ent. Syst.* iii. p. 292. n. 114, 115 (1793).

Interior of South Africa. (Presented 1840, by Sir Andrew Smith) B.M.

There are two shattered specimens (possibly *P. Palmus* of Cramer) in the Banksian Collection in the British Museum. *P. Nais* is intermediate between *P. Thysbe* proper and the insect figured in the 'Proceedings of the Zoological Society,' pl. 17. fig. 5 (1868).

4. Zeritis Zeuxo.

Papilio (P. R.) Zeuxo, *Linnæus*, "alis integris, disco fulvo, nigro maculato; anticis subtus argenteo maculatis: habitat in Africa."

Fabricius, Syst. Ent. p. 527. n. 357 (1775); *Sp. Ins.* p. 127. n. 574 (1781); *Mant. Ins.* p. 82. n. 737 (1787); *Ent. Syst.* iii. p. 314. n. 189 (1793).

Cape Town, S. Africa. (Obtained 1868, collected by Roland Trimen, Esq.) B.M.

Z. Zeuxo is figured in Jones's 'Icones.'

5. Zeritis Lucanus.

♀. Hesperia (R.) Lucanus, *Fabricius*, "alis integerrimis, nigris, disco flavo; posticis subtus rubris, maculis quadratis fuscis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 43. fig. 4 (1800).

Fabricius, Ent. Syst. iii. p. 322. n. 221 (1793).

♂ ♀, Australia. (Obtained 1846, from Herr J. J. Becker) B.M.

The figure of the under surface of *P. Lucanus* in Jones's 'Icones' seems far too highly coloured.

6. Zeritis Lara.

Papilio (P. R.) Lara, *Linnæus*, "alis integerrimis, subtestaceis; supra anticis uniocellatis, posticis biocellatis: habitat in Africa."

Fabricius, Syst. Ent. p. 528. n. 358 (1775); *Sp. Ins.* p. 127. n. 575 (1781); *Mant. Ins.* p. 82. n. 729 (1787); *Ent. Syst.* iii. p. 315. n. 191 (1793).

Cape Town, S. Africa. (Obtained 1860, collected by Roland Trimen, Esq.) B.M.

Subfamily II. *THECLINÆ.*

Wings caudate, varied with transverse streaks on the under surface.

Genus 1. LOXURA, *Horsfield,*

Cat. Lepid. Ins. p. 119 (1829).

1. Loxura Atymnus.

Papilio (P. R.) Atymnus, *Cramer*, "alis caudatis, fulvis; anticis apice nigris: habitat in Siam." *Pap. Exot.* iv. pl. 331. figs. D, E (1782); *Donovan, Ins. China,* pl. 39. fig. 1 (1798).

Fabricius, Mant. Ins. p. 70. n. 662 (1787); *Ent. Syst.* iii. p. 283. n. 88 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

The Fabrician type of *P. Atymnus* is in the Banksian Collection in the British Museum.

2. Loxura Silenus.

Papilio (P. U.) Silenus, *Fabricius*, "alis caudatis, fuscis; subtus brunneis, striga flavescente (cauda filiformi longitudine fere alæ, macula baseos cærulea): habitat in Sierra Leon Africæ."

Var. Papilio (P. R.) Alcides, *Cramer*, "alis caudatis, nigris, cæruleo nitidis; subtus ferrugineis striga flavescente: habitat in Sierra Leon Africæ." *Pap. Exot.* i. pl. 96. figs. D, E (1779).

Fabricius, Syst. Ent. p. 531. n. 378 (1775); *Sp. Ins.* pp. 120, 132, n. 533, 604 (1781); *Mant. Ins.* pp. 70, 85, n. 661, 773 (1787); *Ent. Syst.* iii. pp. 283, 330, n. 86, 253 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The type of *P. Alcides* is in the Banksian Collection in the British Museum.

Genus 2. AMBLYPODIA, *Horsfield,*

Lepid. Ins. p. 98 (1829).

1. Amblypodia Centaurus.

Papilio (P. R.) Centaurus, *Fabricius*, "alis caudatis, cærulescentibus, limbo fusco; subtus cinereis, maculis baseos ocellaribus: in Nova Hollandia." A. Nakula, *Felder, Nov. Voy.* ii. pl. 29. fig. 14.

Fabricius, Syst. Ent. p. 520. n. 329 (1775); *Sp. Ins.* p. 117. n. 523 (1781); *Mant. Ins.* p. 68. n. 646 (1787); *Ent. Syst.* iii. p. 275. n. 63 (1793).

Sumatra. (Obtained 1854, formerly belonged to Sir Stamford Raffles) B.M.

The type of *P. Centaurus* is in the Banksian Collection in the British Museum, and agrees with Felder's figure.

2. Amblypodia Apidanus.

♂. Papilio (P. R.) Apidanus, *Cramer*, "alis caudatis, cæruleis; posticis subtus fuscis cæruleo variis, angulo ani macula gemina aurata: habitat Surinami." *Pap. Exot.* ii. pl. 137. figs. F, G (1779).

Fabricius, Sp. Ins. p. 119. n. 530 (1781); *Mant. Ins.* p. 69. n. 658 (1787); *Ent. Syst.* iii. p. 280. n. 78 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

Genus 3. DEUDORIX, *Hewitson*,

Diurn. Lepid. i. p. 16 (1863).

1. Deudorix Eryx.

♀. Papilio (P. R.) Eryx, *Linnæus* [nec Eryx vel Erix, *Cramer*], "alis caudatis, nigris; subtus viridibus, posticis margine subdentato maculatoque: habitat in China."

Fabricius, Syst. Ent. p. 522. n. 336 (1775).

Silhet. (♂ obtained 1847, ♀ 1845, from the Rev. J. Stainsforth) B.M.

This species is evidently the female of *D. Amyntor*. Linnæus describes it thus:—"Alæ omnes supra fuscæ, subtus virescentes; posticæ postice obtuse dentatæ et caudatæ; cauda lineari alba, longitudine fere ipsius alæ; fascia albida et puncta circiter 5 nigra ante marginem posticum; corpus simillimum *P. Marsyæ*" (Mantissa, p. 537).

2. Deudorix Mæcenas.

Hesperia (R.) Mæcenas, *Fabricius*, "alis bicaudatis, atris, disco cæruleo; subtus brunneo nebulosis: habitat in China." *Donovan, Ins. China*, pl. 39. fig. 2 (1798).

Fabricius, Ent. Syst. iii. p. 271. n. 45 (1793).

Hong-Kong, China. (Presented 1861, by J. C. Bowring, Esq.) B.M.

3. Deudorix Sphinx.

Papilio (P. R.) Sphinx, *Fabricius* [nec *Hübner*], "alæ supra cyaneæ, nitidæ, margine anticarum fusco; subtus cinereæ, strigis duabus undatis fuscis; maculæ duæ atræ ad angulum ani, quarum altera antice lunula rufa cingitur, altera major in ipsa cauda alæ; caudæ duæ, anterior tenuissima porrecta, atra apice alba, posterior, rotundata brevior, supra tecta macula rufo-cærulescente; subtus macula magna atra: habitat in India orientali." D. Varuna, *Hewitson* nec *Horsfield*.

Fabricius, Syst. Ent. p. 520. n. 326 (1775).

Java. (Obtained 1849) B.M.

The *D. Varuna* of Horsfield, though allied to this species, seems to be quite distinct.

4. Deudorix Isocrates.

♂. Hesperia (R.) Isocrates, *Fabricius*, "alis bicaudatis, fuscis, strigis duabus approximatis undatis obscurioribus, anguloque ani macula gemina atra: habitat in India."

♀. Hesperia (R.) Pann, *Fabricius*, "alis caudatis, fuscis; anticis macula fulva; posticis atra submarginali; subtus cinereis, ocellis duobus anguli ani: habitat in India." *Donovan, Ins. Ind.* pl. 38. fig. 1 (1800).

Fabricius, Ent. Syst. iii. pp. 266, 276, n. 29, 67 (1793).

♂ ♀, Barrackpore, India. (Presented 1861, by Sir John Hearsay) B.M.

5. Deudorix Melampus.

Papilio (P. R.) Jarbus, *Fabricius* [P. Melampus, *Cramer*], "alis caudatis, fulvis, limbo fusco; subtus cinereis striga alba, posticis punctis duobus atris: habitat in Siam." *Pap. Exot.* iv. pl. 362. figs. G, H (1782); *Donovan, Ins. Ind.* pl. 40. fig. 3 (1800).

Fabricius, Mant. Ins. p. 68. n. 648 (1787).

Hesperia (R.) Jarbes (*sic*), *Fabricius, Ent. Syst.* iii. p. 276. n. 65 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

P. Jarbus differs from the typical *P. Melampus* in having blackened veins to the anterior wings; Donovan's figure is not characteristic.

6. Deudorix? Phidias.

Hesperia (R.) Phidias, *Fabricius*, "alis caudatis, cærulescentibus, limbo fusco; subtus cinereis, omnibus puncto anguli ani atro: habitat in India."

Fabricius, Ent. Syst. iii. p. 286. n. 99 (1793).

Not in the British-Museum collection.

This remarkable species, figured in the unpublished 'Icones' of the late Mr. Jones, was referred by Prof. Westwood to the genus *Lycæna*, which may perhaps be the proper place for it; it seems, however, to have some characters in common with *Deudorix*. This species has lately been figured by Mr. Hewitson as "*Hypolycæna Rabe*, Boisd." (Diurn. Lepid. iv. suppl. p. 12, pl. 5. figs. 30, 31: 1869).

Genus 4. THECLA, *Fabricius*,
Illiger, Mag. vi. p. 286 (1808).

1. Thecla Betulæ.

Papilio (P. R.) Betulæ, *Linnæus*, "alis subcaudatis, fuscis, subtus luteis; posticis strigis duabus albis: habitat in *Betula*, *Pruno spinosa*."

Fabricius, Syst. Ent. p. 520. n. 330 (1775); *Sp. Ins.* p. 118.

1. ♂. [illegible] Linn. Ins. 1. 12. 1. 141 (1767). Ent. Syst. iii. 1. 217. 1. 19 (1793).

Germany. Obtained 1847 from Herr J. J. Becker B.M.

This represents the typical Thecla of Linnæus, of which the genus Lycæna Fabricius, including Thecla quercus, Linn., and T. betulæ, Linn., will form a section.

Genus Thecla. Fabricius.

Gen. Insect. Linné p. 47 (1775).

2. Thecla Quercus.

Papilio P. L. Quercus. Linnæus, "alis subtus cæruleo-virentibus: punctis ocellisque nigris albo pupillatis: anticis in fœmina fuscis." Syst. Nat. i. 2. p. 782. n. 252 (1767). Sp. Ins. p. 1165. n. 252 (1781). Mant. Ins. p. 187. n. 162 (1787). Ent. Syst. iii. p. 276. n. 52 (1793).

Germany. Obtained 1847 from Herr J. J. Becker B.M.

There are two specimens of *P. Quercus* in the Banksian Collection in the British Museum.

Genus 5. APHNÆUS. *Hübner.*

Verz. bek. Schmett. p. 51 (1816).

1. **Aphnæus Vulcanus.**

Papilio P. L., Vulcanus, Fabricius, "alis bicaudatis supra fuscis, fascia maculis; ocellis nigris albo pupillatis, subtus argenteis, pone variegatis: habitat in India orientali." *Donovan, Ins. Ind.* pl. 38. fig. 3 (1800).

Fabricius, Syst. Ent. p. 519. n. 323 (1775); *Sp. Ins.* p. 114. n. 489 (1781); *Mant. Ins.* p. 66. n. 622 (1787); *Ent. Syst.* iii. p. 264. n. 22 (1793).

Ceylon. (Presented 1852, by Dr. R. Templeton, collected by Mrs. Templeton) B.M.

There are two specimens of *P. Vulcanus* in the Banksian Collection; the name *P. Fidus*, generally applied to this species, being of later date, cannot stand.

2. **Aphnæus Pindarus.**

Hesperia (R.) Pindarus, *Fabricius,* "alis subtricaudatis, cæruleis, limbo atro; subtus fuscis argenteo fulvoque maculatis: habitat in India." *Donovan, Ins. Ind.* pl. 38. fig. 2 (1800).

Fabricius, Ent. Syst. iii. p. 262. n. 15 (1793).

Not in the collection of the British Museum.

Genus 6. MYRINA, *Fabricius*,
Illiger's Magaz. vi. p. 286 (1808).

1. **Myrina Phocides.**

♀. Hesperia (R.) Phocides, *Fabricius*, "alis caudatis, supra fuscis; posticis albis, punctis duobus nigris: habitat in Africa." *Donovan, Nat. Rep.* ii. pl. 44. fig. 1 (1824).

Fabricius, Ent. Syst. iii. p. 282. n. 85 (1793).

♂, Moulmein, E. Indies. (Obtained 1843, from Archdeacon Clerk) B.M.

The type of *P. Phocides* is in the Banksian Collection; it is not the insect figured by Mr. Hewitson, which is the true female of Felder's *M. Jolcus*, but it is the female of an Indian representative of Horsfield's *M. Sugriva*, of which we have the male.

2. **Myrina Freja.**

Hesperia (R.) Freja, *Fabricius*, "alis bicaudatis, fuscis, subtus disco albo, striga undata, anticarum fulva, posticarum atra: habitat Tranquebariæ." M. Jaffra, *Horsfield, Cat. Lep. Mus. E. I. C.* pl. 11. figs. 5, 5*a*.

Fabricius, Ent. Syst. iii. p. 263. n. 19 (1793).

Moulmein, E. Indies. (Obtained 1843, from Archdeacon Clerk) B.M.

See Proc. Zool. Soc. pp. 34, 36, figs. 1, 1*a* (1867).

3. **Myrina Etolus.**

Papilio (P. R.) Etolus, *Fabricius*, "alis bicaudatis; anticis nigris, posticis cærulescentibus; subtus albidis, puncto baseos duabusque apicis atris: habitat in Indiis."

Fabricius, Mant. Ins. p. 66. n. 620 (1787); *Ent. Syst.* iii. p. 264. n. 20 (1793).

Java. (Obtained 1835) B.M.

4. **Myrina Timon.**

Papilio (P. R.) Timon, *Fabricius*, "alis tricaudatis, fuscis, basi virescentibus; subtus albis, posticis fascia abbreviata sanguinea: habitat in America meridionali."

Fabricius, Mant. Ins. p. 65. n. 611 (1787); *Ent. Syst.* iii. p. 260. n. 9 (1793).

Not in the British-Museum collection, but recently obtained by Mr. Druce from Old Calabar; allied to *M. Mœsa* of Hewitson.

In his 'Naturalist's Repository,' iii. pl. 97 (1825), Donovan figures the *Iolaüs Silas* of Hewitson (Port Natal) as this species, and remarks that "Fabricius refers for the specimen he describes to the cabinet of Dr. Hunter, in which there may perhaps be other examples of the same insect; but we are well assured, from the Fabrician MS., that the description of the species which he has left

us was taken from the drawing in the collection of Mr. Jones, and that this drawing was copied from the specimen in the cabinet of Mr. Drury; subsequently this rarity came into our own possession." On referring, however, to Jones's 'Icones,' to which a MS. Fabrician list of species is appended, no assertion to this effect is inserted, nor is the figure itself named by Fabricius, but by Mr. Jones; it is evident also that the description in the 'Mantissa' was not taken from Drury's specimen, inasmuch as it does not at all agree with it.

The identification of *P. Timon* has now been settled beyond all dispute through the courtesy of John Gibson, Esq., of Glasgow, who has not only examined and sketched the original type in the Hunterian Museum, but has forwarded with his sketches the following careful description of the insect; the latter appears to be in a very mutilated condition:—

Papilio Timon. "Nearly of the size drawn (2 inches), the longest tail, which is the one next the body, being about $\frac{11}{16}$ of an inch long. The colouring of the upperside is very much faded; it is a sort of sepia-brown*, in the front wing the brown is darker at the outside; the hind wing and tail are of a cream-colour, which in the front part of the wing passes off into the brown of the fore wing; the spots and lines are black, except one next the centre of the wing, which is dull brown. The underside is very perfect; it is of a pale cream-colour all over, with two large black spots in the hind wing connected by an irregular band of red; round the inner side of each black spot is a very narrow edge of bright blue."

5. Myrina Lisias.

Papilio (P. R.) Lisias, *Fabricius*, "alis tricaudatis; anticis fuscis, macula fulva; posticis subtus albis, nigro maculatis: habitat in Pulicandor." *Donovan, Ins. Ind.* pl. 40. fig. 1 (1800).

Fabricius, Mant. Ins. p. 65. n. 615 (1787); *Ent. Syst.* iii. p. 261. n. 12 (1793).

Barrackpore, India. (Presented 1861, by Sir John Hearsay) B.M.

The type of *M. Lisias* is in the Banksian Collection in the British Museum. Donovan's figure is most incorrect; the hind wings should be dark brown, not fulvous.

6. Myrina Amor.

Papilio (P. R.) Amor, *Fabricius*, "alis tricaudatis, fuscis; subtus disco variegato strigaque postica aurea: habitat in India orientali."

Fabricius, Syst. Ent. p. 518. n. 321 (1775); *Sp. Ins.* p. 113. n. 491 (1781); *Mant. Ins.* p. 65. n. 610 (1787); *Ent. Syst.* iii. p. 260. n. 7 (1793).

* "Mr. Chapman (a gentleman to whom the keeper of the Museum sent me, as the only one who could find the butterfly for me) thought that the colour towards the base had been a metallic blue; but there was no trace of it remaining, the wing at that part of the upper surface being nearly bare and having only a faded tint of the brown of the rest of that surface."

Ceylon. (Presented 1852, by Dr. Templeton, collected by Mrs. Templeton) B.M.

There is one specimen of *P. Amor*, labelled "*P. Triopas*," in the Banksian Collection in the British Museum; the former, however, is the older name.

7. Myrina Hymen.

♂. Papilio (P. R.) Hymen, *Fabricius*, "alæ anticæ supra fuscæ, macula communi albida ad marginem tenuiorem; subtus fuscæ, lineolis variis transversis albis; posticæ tricaudatæ, albidæ, macula communi marginis anterioris fusca; subtus fuscæ, lineolis plurimis albidis; margo posticus pallidus, macula strigaque terminali atris: habitat in Sierra Leon Africæ."

♀. Papilio (P. R.) Liger, *Cramer*, "alis bicaudatis, albis, apice nigris; subtus fuscis, strigis lunulisque albis: habitat Surinami." *Pap. Exot.* iii. pl. 254. figs. E, F (1782).

♂, *Fabricius, Syst. Ent.* p. 519. n. 322 (1775); *Sp. Ins.* p. 113. n. 495 (1781); ♀, *Sp. Ins.* app. p. 504 (1782); ♂ ♀, *Mant. Ins.* pp. 65, 67, n. 616, 641 (1787); *Ent. Syst.* iii. pp. 262, 274, n. 13, 58 (1793).

Sierra Leone. (♂ presented by the Rev. D. F. Morgan; ♀ collected 1858, by Mr. J. Foxcroft) B.M.

The type of *M. Hymen* is in the Banksian Collection, and was figured by Mr. Jones in his 'Icones;' the Fabrician name has, of course, the claim of priority.

Genus 7. HYPOLYCÆNA, *Felder*, *Wien. ent. Monatschr.* vol. vi. (1862).

1. Hypolycæna Faunus.

Papilio (P. R.) Faunus, *Drury*, "alis tricaudatis, fuscis; subtus albis, strigis duabus fulvis: habitat in Sierra Leon Africæ." *Ill.* ii. pl. 1. figs. 4, 5 (1773).

Hesperia (R.) Hesiodus, *Fabricius*, "alis tricaudatis, atris, disco cæruleo; subtus albis, striga communi virescente, punctisque duobus anguli ani atro-argenteis: habitat in India."

Fabricius, Gen. Ins. p. 266. n. 321, 322 (1776); *Sp. Ins.* p. 113. n. 493 (1781); *Mant. Ins.* p. 65. n. 613 (1787); *Ent. Syst.* iii. pp. 260, 261, n. 8, 11 (1793).

Sierra Leone. (Presented 1838, by the Rev. D. F. Morgan) B.M.

2. Hypolycæna Philippus.

Hesperia (R.) Philippus, *Fabricius*, "alis caudatis, fuscis; subtus albis, strigis duabus fulvis punctisque duobus, anguli ani atris subocellaribus: habitat in India." *Donovan, Ins. Ind.* pl. 42. fig. 3 (1800).

Fabricius, Ent. Syst. iii. p. 283. n. 87 (1793).

Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

3. **Hypolycæna Pharbus.**

♂. Hesperia (R.) *Pharbus, Fabricius*, "alis caudatis fuscis, disco cæruleo; subtus cinereis, striga duplici punctisque duobus anguli ani atris: habitat in India." *Drury, Ins. Ind.* pl. 42. fig. 3 (1780).

Fabricius, Ent. Syst. iii. p. 277. n. 92 (1793).

♀, Wallace. Obtained 1852, collected by A. R. Wallace, Esq., B.M.

Mr. Hewitson has figured both sexes of *P. Pharbus*.

Genus 8. IOLAUS, *Hübner*.

Verz. bek. Schmett. p. 81 (1816).

1. **Iolaüs Helius.**

Papilio (P. R.) Helius, *Fabricius*, "alis tricaudatis, ambeis nigris, posticis cæruleis; subtus cinereis, striga duabus brunneis, ocellis duobus anguli ani: habitat in Africa septentrionali." P. Eurisus, *Cramer, Pap. Exot.* iii. pl. 224. figs. D, E (1782).

Fabricius, Sp. Ins. p. 112. n. 459 (1781); *Mant. Ins.* p. 65. n. 695 (1787); *Ent. Syst.* iii. p. 259. n. 4 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The type of *P. Helius* is in the Banksian Collection in the British Museum, and is figured by Mr. Jones in his 'Icones.'

2. **Iolaüs Cippus.**

Hesperia (R.) Cippus, *Fabricius*, "alis bicaudatis, cæruleis, limbo fuseo; subtus cinereis, posticis punctis duobus apicis atris: habitat in India orientali."

Ibid. Hesperia (R.) Longinus, *Fabricius*, "alis caudatis, cyaneis, limbo atro; subtus cinereis, posticis striga lunulari punctisque duobus atris: habitat in India orientali."

Fabricius, Ent. Syst. suppl. pp. 429, 430, n. 43, 44, 77, 78 (1798).

P. Cippus, Ceylon (presented 1852, by Dr. R. Templeton, collected by Mrs. Templeton); *P. Longinus*, Assam (obtained 1848, from Mr. Warwick). B.M.

Genus 9. BITHYS, *Hübner*,

Verz. bek. Schmett. p. 75 (1816).

1. **Bithys Strephon.**

Papilio (P. R.) Strephon, *Fabricius*, "alis caudatis, fuscis, disco cæruleseentibus; subtus cinereis, fascia alba, angulo ani ocello gemino rufo: habitat in India orientali."

Fabricius, Syst. Ent. p. 522. n. 334 (1775); *Sp. Ins.* p. 119. n. 531 (1781); *Mant. Ins.* p. 69. n. 659 (1787).

Pará, Lower Amazons. (Presented by Mrs. J. P. G. Smith) B.M.

The type of *P. Strephon* is in the Banksian Collection in the British Museum, and is figured in Jones's 'Icones;' it is identical with Cramer's *P. Sichæus* (which it will supersede), but is quite distinct from *P. Cyllarus*, Cramer. Donovan's figure gives no idea of the insect, so that it is useless to quote it.

2. Bithys Cyllarus.

Hesperia (R.) Strephon (part.), *Fabricius* [P. Cyllarus, *Cramer*]. *Pap. Exot.* i. pl. 27. figs. C, D (1775).

Fabricius, Ent. Syst. iii. p. 281. n. 80 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

3. Bithys Agrippa.

Hesperia (R.) Agrippa, *Fabricius*, "alis tricaudatis, cæruleis, limbo atro; subtus cinereis, striga alba maculisque duabus rufis anguli ani: habitat in America."

Fabricius, Ent. Syst. iii. p. 259. n. 3 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

The *P. Agrippa* of Mr. Doubleday's 'List' is a species of *Strymon* belonging to the *P. Ixion* group.

4. Bithys Dindymus.

Papilio (P. R.) Sphinx (part.), *Fabricius* [P. Dindymus, *Cramer*]. *Pap. Exot.* i. pl. 46. figs. F, G (1779).

Fabricius, Sp. Ins. p. 116. n. 511 (1781); *Mant. Ins.* p. 67. n. 634 (1787); *Ent. Syst.* iii. p. 270. n. 43 (1793).

Venezuela. (Obtained 1844, from Herr J. J. Becker) B.M.

Subgenus 1. TMOLUS, *Hübner*,
Verz. bek. Schmett. p. 76 (1816).

1. Tmolus Sophocles. Pl. II. fig. 5.

Hesperia (R.) Sophocles, *Fabricius*, "alis bicaudatis, nigris, disco communi cæruleo; subtus albis, strigis undatis flavescentibus, posticis puncto apicis fulvo: habitat in Indiis." *Donovan, Ins. Ind.* pl. 40. fig. 2 (1800).

Fabricius, Ent. Syst. iii. p. 267. n. 31 (1793).

Honduras. (Obtained 1845, from Mr. Dyson's collection) B.M.

2. Tmolus Echion.

Papilio (P. R.) Echion, *Linnæus*, "alis bicaudatis, supra fuscis: subtus pallescentibus, fascia rufa ocelloque terminali rubro: habitat in America."

Fabricius, Syst. Ent. p. 519. n. 325 (1775); *Sp. Ins.* p. 115.

Aberr. Papilio (P. R.) Nais, *Cramer*, "alis dentatis, subcaudatis, basi argentatis aureo striatis: habitat ad Cap. bon. spei." *Pap. Exot.* i. pl. 47. figs. D, E (1779).

Fabricius, Syst. Ent. p. 524. n. 344 (1775); *Sp. Ins.* p. 122. n. 546, 547 (1781); *Mant. Ins.* p. 71. n. 677, 678 (1787); *Ent. Syst.* iii. p. 292. n. 114, 115 (1793).

Interior of South Africa. (Presented 1840, by Sir Andrew Smith) B.M.

There are two shattered specimens (possibly *P. Palmus* of Cramer) in the Banksian Collection in the British Museum. *P. Nais* is intermediate between *P. Thysbe* proper and the insect figured in the 'Proceedings of the Zoological Society,' pl. 17. fig. 5 (1868).

4. Zeritis Zeuxo.

Papilio (P. R.) Zeuxo, *Linnæus*, "alis integris, disco fulvo, nigro maculato; anticis subtus argenteo maculatis: habitat in Africa."

Fabricius, Syst. Ent. p. 527. n. 357 (1775); *Sp. Ins.* p. 127. n. 574 (1781); *Mant. Ins.* p. 82. n. 737 (1787); *Ent. Syst.* iii. p. 314. n. 189 (1793).

Cape Town, S. Africa. (Obtained 1868, collected by Roland Trimen, Esq.) B.M.

Z. Zeuxo is figured in Jones's 'Icones.'

5. Zeritis Lucanus.

♀. Hesperia (R.) Lucanus, *Fabricius*, "alis integerrimis, nigris, disco flavo; posticis subtus rubris, maculis quadratis fuscis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 43. fig. 4 (1800).

Fabricius, Ent. Syst. iii. p. 322. n. 221 (1793).

♂ ♀, Australia. (Obtained 1846, from Herr J. J. Becker) B.M.

The figure of the under surface of *P. Lucanus* in Jones's 'Icones' seems far too highly coloured.

6. Zeritis Lara.

Papilio (P. R.) Lara, *Linnæus*, "alis integerrimis, subtestaceis; supra anticis uniocellatis, posticis biocellatis: habitat in Africa."

Fabricius, Syst. Ent. p. 528. n. 358 (1775); *Sp. Ins.* p. 127. n. 575 (1781); *Mant. Ins.* p. 82. n. 729 (1787); *Ent. Syst.* iii. p. 315. n. 191 (1793).

Cape Town, S. Africa. (Obtained 1860, collected by Roland Trimen, Esq.) B.M.

Subfamily II. *THECLINÆ.*

Wings caudate, varied with transverse streaks on the under surface.

Genus 1. LOXURA, *Horsfield*, *Cat. Lepid. Ins.* p. 119 (1829).

1. Loxura Atymnus.

Papilio (P. R.) Atymnus, *Cramer*, "alis caudatis, fulvis; anticis apice nigris: habitat in Siam." *Pap. Exot.* iv. pl. 331. figs. D, E (1782); *Donovan, Ins. China*, pl. 39. fig. 1 (1798).

Fabricius, Mant. Ins. p. 70. n. 662 (1787); *Ent. Syst.* iii. p. 283. n. 88 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

The Fabrician type of *P. Atymnus* is in the Banksian Collection in the British Museum.

2. Loxura Silenus.

Papilio (P. U.) Silenus, *Fabricius*, "alis caudatis, fuscis; subtus brunneis, striga flavescente (cauda filiformi longitudine fere alæ, macula baseos cærulea): habitat in Sierra Leon Africæ."

Var. Papilio (P. R.) Alcides, *Cramer*, "alis caudatis, nigris, cæruleo nitidis; subtus ferrugineis striga flavescente: habitat in Sierra Leon Africæ." *Pap. Exot.* i. pl. 96. figs. D, E (1779).

Fabricius, Syst. Ent. p. 531. n. 378 (1775); *Sp. Ins.* pp. 120, 132, n. 533, 604 (1781); *Mant. Ins.* pp. 70, 85, n. 661, 773 (1787); *Ent. Syst.* iii. pp. 283, 330, n. 86, 253 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The type of *P. Alcides* is in the Banksian Collection in the British Museum.

Genus 2. AMBLYPODIA, *Horsfield*, *Lepid. Ins.* p. 98 (1829).

1. Amblypodia Centaurus.

Papilio (P. R.) Centaurus, *Fabricius*, "alis caudatis, cærulescentibus, limbo fusco; subtus cinereis, maculis baseos ocellaribus: in Nova Hollandia." A. Nakula, *Felder, Nov. Voy.* ii. pl. 29. fig. 14.

Fabricius, Syst. Ent. p. 520. n. 329 (1775); *Sp. Ins.* p. 117. n. 523 (1781); *Mant. Ins.* p. 68. n. 646 (1787); *Ent. Syst.* iii. p. 275. n. 63 (1793).

Sumatra. (Obtained 1854, formerly belonged to Sir Stamford Raffles) B.M.

The type of *P. Centaurus* is in the Banksian Collection in the British Museum, and agrees with Felder's figure.

2. Amblypodia Apidanus.

♂. Papilio (P. R.) Apidanus, *Cramer*, "alis caudatis, cæruleis; posticis subtus fuscis cæruleo variis, angulo ani macula gemina aurata: habitat Surinami." *Pap. Exot.* ii. pl. 137. figs. F, G (1779).

Fabricius, Sp. Ins. p. 119. n. 530 (1781): *Mant. Ins.* p. 69. n. 658 (1787); *Ent. Syst.* iii. p. 280. n. 78 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

Genus 3. DEUDORIX, *Hewitson*, *Diurn. Lepid.* i. p. 16 (1863).

1. Deudorix Eryx.

♀. Papilio (P. R.) Eryx, *Linnæus* [nec Eryx vel Erix, *Cramer*], "alis caudatis, nigris; subtus viridibus, posticis margine subdentato maculatoque: habitat in China."

Fabricius, Syst. Ent. p. 522. n. 336 (1775).

Silhet. (♂ obtained 1847, ♀ 1845, from the Rev. J. Stainsforth) B.M.

This species is evidently the female of *D. Amyntor*. Linnæus describes it thus:—"Alæ omnes supra fuscæ, subtus virescentes; posticæ postice obtuse dentatæ et caudatæ; cauda lineari alba, longitudine fere ipsius alæ; fascia albida et puncta circiter 5 nigra ante marginem posticum; corpus simillimum *P. Marsyæ*" (Mantissa, p. 537).

2. Deudorix Mæcenas.

Hesperia (R.) Mæcenas, *Fabricius*, "alis bicaudatis, atris, disco cæruleo; subtus brunneo nebulosis: habitat in China." *Donovan, Ins. China*, pl. 39. fig. 2 (1798).

Fabricius, Ent. Syst. iii. p. 271. n. 45 (1793).

Hong-Kong, China. (Presented 1861, by J. C. Bowring, Esq.) B.M.

3. Deudorix Sphinx.

Papilio (P. R.) Sphinx, *Fabricius* [nec *Hübner*], "alæ supra cyaneæ, nitidæ, margine anticarum fusco; subtus cinereæ, strigis duabus undatis fuscis; maculæ duæ atræ ad angulum ani, quarum altera antice lunula rufa cingitur, altera major in ipsa cauda alæ; caudæ duæ, anterior tenuissima porrecta, atra apice alba, posterior, rotundata brevior, supra tecta macula rufo-cærulescente; subtus macula magna atra: habitat in India orientali." D. Varuna, *Hewitson* nec *Horsfield*.

Fabricius, Syst. Ent. p. 520. n. 326 (1775).

Java. (Obtained 1849) B.M.

The *D. Varuna* of Horsfield, though allied to this species, seems to be quite distinct.

4. Deudorix Isocrates.

♂. Hesperia (R.) Isocrates, *Fabricius*, "alis bicaudatis, fuscis, strigis duabus approximatis undatis obscurioribus, anguloque ani macula gemina atra: habitat in India."

♀. Hesperia (R.) Pann, *Fabricius*, "alis caudatis, fuscis; anticis macula fulva; posticis atra submarginali; subtus cinereis, ocellis duobus anguli ani: habitat in India." *Donovan, Ins. Ind.* pl. 38. fig. 1 (1800).

Fabricius, Ent. Syst. iii. pp. 266, 276, n. 29, 67 (1793).

♂ ♀, Barrackpore, India. (Presented 1861, by Sir John Hearsay) B.M.

5. Deudorix Melampus.

Papilio (P. R.) Jarbus, *Fabricius* [P. Melampus, *Cramer*], "alis caudatis, fulvis, limbo fusco; subtus cinereis striga alba, posticis punctis duobus atris: habitat in Siam." *Pap. Exot.* iv. pl. 362. figs. G, H (1782); *Donovan, Ins. Ind.* pl. 40. fig. 3 (1800).

Fabricius, Mant. Ins. p. 68. n. 648 (1787).

Hesperia (R.) Jarbes (*sic*), *Fabricius, Ent. Syst.* iii. p. 276. n. 65 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

P. Jarbus differs from the typical *P. Melampus* in having blackened veins to the anterior wings; Donovan's figure is not characteristic.

6. Deudorix? Phidias.

Hesperia (R.) Phidias, *Fabricius*, "alis caudatis, cærulescentibus, limbo fusco; subtus cinereis, omnibus puncto anguli ani atro: habitat in India."

Fabricius, Ent. Syst. iii. p. 286. n. 99 (1793).

Not in the British-Museum collection.

This remarkable species, figured in the unpublished 'Icones' of the late Mr. Jones, was referred by Prof. Westwood to the genus *Lycæna*, which may perhaps be the proper place for it; it seems, however, to have some characters in common with *Deudorix*. This species has lately been figured by Mr. Hewitson as "*Hypolycæna Rabe*, Boisd." (Diurn. Lepid. iv. suppl. p. 12, pl. 5. figs. 30, 31: 1869).

Genus 4. THECLA, *Fabricius*,

Illiger, Mag. vi. p. 286 (1808).

1. Thecla Betulæ.

Papilio (P. R.) Betulæ, *Linnæus*, "alis subcaudatis, fuscis, subtus luteis; posticis strigis duabus albis: habitat in *Betula, Pruno spinosa*."

Fabricius, Syst. Ent. p. 520. n. 330 (1775); *Sp. Ins.* p. 118.

n. 525 (1781); *Mant. Ins.* p. 68. n. 549, 550 (1787); *Ent. Syst.* iii. p. 227. n. 89 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

This represents the typical *Thecla* of Fabricius, of which the genus *Dipsas*, Westwood (including *Thecla Quercus*, Linn., and *T. Ilicis*, Hewits.), will form a section.

Section Dipsas. *Westwood.*

Gen. Diurn. Lepid. p. 479 (1852).

2. Thecla Quercus.

Papilio (P. R.) Quercus, *Linnæus*, "alis subcaudatis, cæruleo-scentibus; subtus cinereis, strigâ albâ punctoque ani gemino fulvo: habitat in *Quercu*."

Fabricius, Syst. Ent. p. 521. n. 332 (1775); *Sp. Ins.* p. 115. n. 527 (1781); *Mant. Ins.* p. 69. n. 552 (1787); *Ent. Syst.* iii. p. 278. n. 72 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

There are two specimens of *P. Quercus* in the Banksian Collection in the British Museum.

Genus 5. APHNÆUS, *Hübner,*

Verz. bek. Schmett. p. 81 (1816).

1. Aphnæus Vulcanus.

Papilio (P. R.) Vulcanus, *Fabricius*, "alis bicaudatis, supra fuscis, fulvo maculatis; subtus strigis flavis, fulvis argenteisque variegatis: habitat in India orientali." *Donovan, Ins. Ind.* pl. 38. fig. 3 (1800).

Fabricius, Syst. Ent. p. 519. n. 323 (1775); *Sp. Ins.* p. 114. n. 499 (1781); *Mant. Ins.* p. 66. n. 622 (1787); *Ent. Syst.* iii. p. 264. n. 22 (1793).

Ceylon. (Presented 1852, by Dr. R. Templeton, collected by Mrs. Templeton) B.M.

There are two specimens of *P. Vulcanus* in the Banksian Collection; the name *P. Etolus*, generally applied to this species, being of later date, cannot stand.

2. Aphnæus Pindarus.

Hesperia (R.) Pindarus, *Fabricius*, "alis subtricaudatis, cæruleis, limbo atro; subtus fuscis argenteo fulvoque maculatis: habitat in India." *Donovan, Ins. Ind.* pl. 38. fig. 2 (1800).

Fabricius, Ent. Syst. iii. p. 262. n. 15 (1793).

Not in the collection of the British Museum.

Genus 6. MYRINA, *Fabricius*,

Illiger's Magaz. vi. p. 286 (1808).

1. **Myrina Phocides.**

♀. Hesperia (R.) Phocides, *Fabricius*, "alis caudatis, supra fuscis; posticis albis, punctis duobus nigris: habitat in Africa." *Donovan, Nat. Rep.* ii. pl. 44. fig. 1 (1824).

Fabricius, Ent. Syst. iii. p. 282. n. 85 (1793).

♂, Moulmein, E. Indies. (Obtained 1843, from Archdeacon Clerk) B.M.

The type of *P. Phocides* is in the Banksian Collection; it is not the insect figured by Mr. Hewitson, which is the true female of Felder's *M. Jolcus*, but it is the female of an Indian representative of Horsfield's *M. Sugriva*, of which we have the male.

2. **Myrina Freja.**

Hesperia (R.) Freja, *Fabricius*, "alis bicaudatis, fuscis, subtus disco albo, striga undata, anticarum fulva, posticarum atra: habitat Tranquebariæ." M. Jaffra, *Horsfield, Cat. Lep. Mus. E. I. C.* pl. 11. figs. 5, 5*a*.

Fabricius, Ent. Syst. iii. p. 263. n. 19 (1793).

Moulmein, E. Indies. (Obtained 1843, from Archdeacon Clerk) B.M.

See Proc. Zool. Soc. pp. 34, 36, figs. 1, 1*a* (1867).

3. **Myrina Etolus.**

Papilio (P. R.) Etolus, *Fabricius*, "alis bicaudatis; anticis nigris, posticis cærulescentibus; subtus albidis, puncto baseos duabusque apicis atris: habitat in Indiis."

Fabricius, Mant. Ins. p. 66. n. 620 (1787); *Ent. Syst.* iii. p. 264. n. 20 (1793).

Java. (Obtained 1835) B.M.

4. **Myrina Timon.**

Papilio (P. R.) Timon, *Fabricius*, "alis tricaudatis, fuscis, basi virescentibus; subtus albis, posticis fascia abbreviata sanguinea: habitat in America meridionali."

Fabricius, Mant. Ins. p. 65. n. 611 (1787); *Ent. Syst.* iii. p. 260. n. 9 (1793).

Not in the British-Museum collection, but recently obtained by Mr. Druce from Old Calabar; allied to *M. Mœsa* of Hewitson.

In his 'Naturalist's Repository,' iii. pl. 97 (1825), Donovan figures the *Iolaüs Silas* of Hewitson (Port Natal) as this species, and remarks that "Fabricius refers for the specimen he describes to the cabinet of Dr. Hunter, in which there may perhaps be other examples of the same insect; but we are well assured, from the Fabrician MS., that the description of the species which he has left

us was taken from the drawing in the collection of Mr. Jones, and that this drawing was copied from the specimen in the cabinet of Mr. Drury; subsequently this rarity came into our own possession." On referring, however, to Jones's 'Icones,' to which a MS. Fabrician list of species is appended, no assertion to this effect is inserted, nor is the figure itself named by Fabricius, but by Mr. Jones; it is evident also that the description in the 'Mantissa' was not taken from Drury's specimen, inasmuch as it does not at all agree with it.

The identification of *P. Timon* has now been settled beyond all dispute through the courtesy of John Gibson, Esq., of Glasgow, who has not only examined and sketched the original type in the Hunterian Museum, but has forwarded with his sketches the following careful description of the insect; the latter appears to be in a very mutilated condition:—

Papilio Timon. "Nearly of the size drawn (2 inches), the longest tail, which is the one next the body, being about $\frac{11}{16}$ of an inch long. The colouring of the upperside is very much faded; it is a sort of sepia-brown*, in the front wing the brown is darker at the outside; the hind wing and tail are of a cream-colour, which in the front part of the wing passes off into the brown of the fore wing; the spots and lines are black, except one next the centre of the wing, which is dull brown. The underside is very perfect; it is of a pale cream-colour all over, with two large black spots in the hind wing connected by an irregular band of red; round the inner side of each black spot is a very narrow edge of bright blue."

5. Myrina Lisias.

Papilio (P. R.) Lisias, *Fabricius*, "alis tricaudatis; anticis fuscis, macula fulva; posticis subtus albis, nigro maculatis: habitat in Pulicandor." *Donovan, Ins. Ind.* pl. 40. fig. 1 (1800).

Fabricius, Mant. Ins. p. 65. n. 615 (1787); *Ent. Syst.* iii. p. 261. n. 12 (1793).

Barrackpore, India. (Presented 1861, by Sir John Hearsay) B.M.

The type of *M. Lisias* is in the Banksian Collection in the British Museum. Donovan's figure is most incorrect; the hind wings should be dark brown, not fulvous.

6. Myrina Amor.

Papilio (P. R.) Amor, *Fabricius*, "alis tricaudatis, fuscis; subtus disco variegato strigaque postica aurea: habitat in India orientali."

Fabricius, Syst. Ent. p. 518. n. 321 (1775); *Sp. Ins.* p. 113. n. 491 (1781); *Mant. Ins.* p. 65. n. 610 (1787); *Ent. Syst.* iii. p. 260. n. 7 (1793).

* "Mr. Chapman (a gentleman to whom the keeper of the Museum sent me, as the only one who could find the butterfly for me) thought that the colour towards the base had been a metallic blue; but there was no trace of it remaining, the wing at that part of the upper surface being nearly bare and having only a faded tint of the brown of the rest of that surface."

Ceylon. (Presented 1852, by Dr. Templeton, collected by Mrs. Templeton) B.M.

There is one specimen of *P. Amor*, labelled "*P. Triopas*," in the Banksian Collection in the British Museum; the former, however, is the older name.

7. Myrina Hymen.

♂. Papilio (P. R.) Hymen, *Fabricius*, "alæ anticæ supra fuscæ, macula communi albida ad marginem tenuiorem; subtus fuscæ, lineolis variis transversis albis; posticæ tricaudatæ, albidæ, macula communi marginis anterioris fusca; subtus fuscæ, lineolis plurimis albidis; margo posticus pallidus, macula strigaque terminali atris: habitat in Sierra Leon Africæ."

♀. Papilio (P. R.) Ligea, *Cramer*, "alis bicaudatis, albis, apice nigris; subtus fuscis, strigis lunulisque albis: habitat Surinami." *Pap. Exot.* iii. pl. 254. figs. E, F (1782).

♂, *Fabricius, Syst. Ent.* p. 519. n. 322 (1775); *Sp. Ins.* p. 113. n. 495 (1781); ♀, *Sp. Ins.* app. p. 504 (1782); ♂ ♀, *Mant. Ins.* pp. 65, 67, n. 616, 641 (1787); *Ent. Syst.* iii. pp. 262, 274, n. 13, 58 (1793).

Sierra Leone. (♂ presented by the Rev. D. F. Morgan; ♀ collected 1858, by Mr. J. Foxcroft) B.M.

The type of *M. Hymen* is in the Banksian Collection, and was figured by Mr. Jones in his 'Icones;' the Fabrician name has, of course, the claim of priority.

Genus 7. HYPOLYCÆNA, *Felder*, *Wien. ent. Monatschr.* vol. vi. (1862).

1. Hypolycæna Faunus.

Papilio (P. R.) Faunus, *Drury*, "alis tricaudatis, fuscis; subtus albis, strigis duabus fulvis: habitat in Sierra Leon Africæ." *Ill.* ii. pl. 1. figs. 4, 5 (1773).

Hesperia (R.) Hesiodus, *Fabricius*, "alis tricaudatis, atris, disco cæruleo; subtus albis, striga communi virescente, punctisque duobus anguli ani atro-argenteis: habitat in India."

Fabricius, Gen. Ins. p. 266. n. 321, 322 (1776); *Sp. Ins.* p. 113. n. 493 (1781); *Mant. Ins.* p. 65. n. 613 (1787); *Ent. Syst.* iii. pp. 260, 261, n. 8, 11 (1793).

Sierra Leone. (Presented 1838, by the Rev. D. F. Morgan) B.M.

2. Hypolycæna Philippus.

Hesperia (R.) Philippus, *Fabricius*, "alis caudatis, fuscis; subtus albis, strigis duabus fulvis punctisque duobus, anguli ani atris subocellaribus: habitat in India." *Donovan, Ins. Ind.* pl. 42. fig. 3 (1800).

Fabricius, Ent. Syst. iii. p. 283. n. 87 (1793).

Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

3. **Hypolycæna Phorbas.**

♀. Hesperia R. Phorbas. *Fabricius.* "alis caudatis, fuscis, disco albo: subtus albis, cinereo strigosis, punctis duobus anguli ani atris: habitat in India." *Donovan. Ins. Ind.* pl. 41. fig. 3 (1800).

Fabricius, Ent. Syst. iii. p. 277. n. 88 (1793).

♂ ♀, Wirgion. (Obtained 1862, collected by A. R. Wallace, Esq.) B.M.

Mr. Hewitson has figured both sexes of *P. Phorbas.*

Genus 8. IOLAÜS. *Hübner.*

Verz. bek. Schmett. p. 91 (1816).

1. **Iolaüs Helius.**

Papilio (P. R.) Helius. *Fabricius,* "alis tricaudatis, anticis nigris, posticis cæruleis: subtus cinereis, strigis duabus brunneis, ocellis duobus anguli ani: habitat in Africa æquinoctiali." P. Eurisus. *Cramer, Pap. Exot.* iii. pl. 224. figs. D. E (1782).

Fabricius, Sp. Ins. p. 112. n. 489 (1781); *Mant. Ins.* p. 65. n. 808 (1787); *Ent. Syst.* iii. p. 259. n. 4 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The type of *P. Helius* is in the Banksian Collection in the British Museum, and is figured by Mr. Jones in his 'Leones.'

2. **Iolaüs Cippus.**

Hesperia (R.) Cippus, *Fabricius,* "alis bicaudatis, cæruleis, limbo fusco; subtus cinereis, posticis punctis duobus apicis atris: habitat in India orientali."

Ibid. Hesperia (R.) Longinus, *Fabricius,* "alis caudatis, cyaneis, limbo atro; subtus cinereis, posticis striga lunulari punctisque duobus atris: habitat in India orientali."

Fabricius, Ent. Syst. suppl. pp. 429, 430, n. 43, 44, 77, 78 (1798).

P. Cippus, Ceylon (presented 1852, by Dr. R. Templeton, collected by Mrs. Templeton); *P. Longinus,* Assam (obtained 1848, from Mr. Warwick). B.M.

Genus 9. BITHYS, *Hübner,*

Verz. bek. Schmett. p. 75 (1816).

1. **Bithys Strephon.**

Papilio (P. R.) Strephon, *Fabricius,* "alis caudatis, fuscis, disco cæruleascentibus; subtus cinereis, fascia alba, angulo ani ocello gemino rufo: habitat in India orientali."

Fabricius, Syst. Ent. p. 522. n. 334 (1775); *Sp. Ins.* p. 119. n. 531 (1781); *Mant. Ins.* p. 69. n. 659 (1787).

Pará, Lower Amazons. (Presented by Mrs. J. P. G. Smith) B.M.

The type of *P. Strephon* is in the Banksian Collection in the British Museum, and is figured in Jones's 'Icones;' it is identical with Cramer's *P. Sichæus* (which it will supersede), but is quite distinct from *P. Cyllarus*, Cramer. Donovan's figure gives no idea of the insect, so that it is useless to quote it.

2. Bithys Cyllarus.

Hesperia (R.) Strephon (part.), *Fabricius* [P. Cyllarus, *Cramer*]. *Pap. Exot.* i. pl. 27. figs. C, D (1775).

Fabricius, Ent. Syst. iii. p. 281. n. 80 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

3. Bithys Agrippa.

Hesperia (R.) Agrippa, *Fabricius*, "alis tricaudatis, cæruleis, limbo atro; subtus cinereis, striga alba maculisque duabus rufis anguli ani: habitat in America."

Fabricius, Ent. Syst. iii. p. 259. n. 3 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

The *P. Agrippa* of Mr. Doubleday's 'List' is a species of *Strymon* belonging to the *P. Ixion* group.

4. Bithys Dindymus.

Papilio (P. R.) Sphinx (part.), *Fabricius* [P. Dindymus, *Cramer*]. *Pap. Exot.* i. pl. 46. figs. F, G (1779).

Fabricius, Sp. Ins. p. 116. n. 511 (1781); *Mant. Ins.* p. 67. n. 634 (1787); *Ent. Syst.* iii. p. 270. n. 43 (1793).

Venezuela. (Obtained 1844, from Herr J. J. Becker) B.M.

Subgenus 1. TMOLUS, *Hübner*,
Verz. bek. Schmett. p. 76 (1816).

1. Tmolus Sophocles. Pl. II. fig. 5.

Hesperia (R.) Sophocles, *Fabricius*, "alis bicaudatis, nigris, disco communi cæruleo; subtus albis, strigis undatis flavescentibus, posticis puncto apicis fulvo: habitat in Indiis." *Donovan, Ins. Ind.* pl. 40. fig. 2 (1800).

Fabricius, Ent. Syst. iii. p. 267. n. 31 (1793).

Honduras. (Obtained 1845, from Mr. Dyson's collection) B.M.

2. Tmolus Echion.

Papilio (P. R.) Echion, *Linnæus*, "alis bicaudatis, supra fuscis: subtus pallescentibus, fascia rufa ocelloque terminali rubro: habitat in America."

Fabricius, Syst. Ent. p. 519. n. 325 (1775); *Sp. Ins.* p. 115.

Aberr. Papilio (P. R.) Nais, *Cramer*, "alis dentatis, subcaudatis, basi argentatis aureo striatis: habitat ad Cap. bon. spei." *Pap. Exot.* i. pl. 47. figs. D, E (1779).

Fabricius, Syst. Ent. p. 524. n. 344 (1775); *Sp. Ins.* p. 122. n. 546, 547 (1781); *Mant. Ins.* p. 71. n. 677, 678 (1787); *Ent. Syst.* iii. p. 292. n. 114, 115 (1793).

Interior of South Africa. (Presented 1840, by Sir Andrew Smith) B.M.

There are two shattered specimens (possibly *P. Palmus* of Cramer) in the Banksian Collection in the British Museum. *P. Nais* is intermediate between *P. Thysbe* proper and the insect figured in the 'Proceedings of the Zoological Society,' pl. 17. fig. 5 (1868).

4. Zeritis Zeuxo.

Papilio (P. R.) Zeuxo, *Linnæus*, "alis integris, disco fulvo, nigro maculato; anticis subtus argenteo maculatis: habitat in Africa."

Fabricius, Syst. Ent. p. 527. n. 357 (1775); *Sp. Ins.* p. 127. n. 574 (1781); *Mant. Ins.* p. 82. n. 737 (1787); *Ent. Syst.* iii. p. 314. n. 189 (1793).

Cape Town, S. Africa. (Obtained 1868, collected by Roland Trimen, Esq.) B.M.

Z. Zeuxo is figured in Jones's 'Icones.'

5. Zeritis Lucanus.

♀. Hesperia (R.) Lucanus, *Fabricius*, "alis integerrimis, nigris, disco flavo; posticis subtus rubris, maculis quadratis fuscis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 43. fig. 4 (1800).

Fabricius, Ent. Syst. iii. p. 322. n. 221 (1793).

♂ ♀, Australia. (Obtained 1846, from Herr J. J. Becker) B.M.

The figure of the under surface of *P. Lucanus* in Jones's 'Icones' seems far too highly coloured.

6. Zeritis Lara.

Papilio (P. R.) Lara, *Linnæus*, "alis integerrimis, subtestaceis; supra anticis uniocellatis, posticis biocellatis: habitat in Africa."

Fabricius, Syst. Ent. p. 528. n. 358 (1775); *Sp. Ins.* p. 127. n. 575 (1781); *Mant. Ins.* p. 82. n. 729 (1787); *Ent. Syst.* iii. p. 315. n. 191 (1793).

Cape Town, S. Africa. (Obtained 1860, collected by Roland Trimen, Esq.) B.M.

Subfamily II. *THECLINÆ.*

Wings caudate, varied with transverse streaks on the under surface.

Genus 1. LOXURA, *Horsfield,*

Cat. Lepid. Ins. p. 119 (1829).

1. Loxura Atymnus.

Papilio (P. R.) Atymnus, *Cramer*, "alis caudatis, fulvis; anticis apice nigris: habitat in Siam." *Pap. Exot.* iv. pl. 331. figs. D, E (1782); *Donovan, Ins. China*, pl. 39. fig. 1 (1798).

Fabricius, Mant. Ins. p. 70. n. 662 (1787); *Ent. Syst.* iii. p. 283. n. 88 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

The Fabrician type of *P. Atymnus* is in the Banksian Collection in the British Museum.

2. Loxura Silenus.

Papilio (P. U.) Silenus, *Fabricius*, "alis caudatis, fuscis; subtus brunneis, striga flavescente (cauda filiformi longitudine fere alæ, macula baseos cærulea): habitat in Sierra Leon Africæ."

Var. Papilio (P. R.) Alcides, *Cramer*, "alis caudatis, nigris, cæruleo nitidis; subtus ferrugineis striga flavescente: habitat in Sierra Leon Africæ." *Pap. Exot.* i. pl. 96. figs. D, E (1779).

Fabricius, Syst. Ent. p. 531. n. 378 (1775); *Sp. Ins.* pp. 120, 132, n. 533, 604 (1781); *Mant. Ins.* pp. 70, 85, n. 661, 773 (1787); *Ent. Syst.* iii. pp. 283, 330, n. 86, 253 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The type of *P. Alcides* is in the Banksian Collection in the British Museum.

Genus 2. AMBLYPODIA, *Horsfield,*

Lepid. Ins. p. 98 (1829).

1. Amblypodia Centaurus.

Papilio (P. R.) Centaurus, *Fabricius*, "alis caudatis, cærulescentibus, limbo fusco; subtus cinereis, maculis baseos ocellaribus: in Nova Hollandia." A. Nakula, *Felder, Nov. Voy.* ii. pl. 29. fig. 14.

Fabricius, Syst. Ent. p. 520. n. 329 (1775); *Sp. Ins.* p. 117. n. 523 (1781); *Mant. Ins.* p. 68. n. 646 (1787); *Ent. Syst.* iii. p. 275. n. 63 (1793).

Sumatra. (Obtained 1854, formerly belonged to Sir Stamford Raffles) B.M.

The type of *P. Centaurus* is in the Banksian Collection in the British Museum, and agrees with Felder's figure.

2. Amblypodia Apidanus.

♂. Papilio (P. R.) Apidanus, *Cramer*, "alis caudatis, cæruleis; posticis subtus fuscis cæruleo variis, angulo ani macula gemina aurata: habitat Surinami." *Pap. Exot.* ii. pl. 137. figs. F, G (1779).

Fabricius, Sp. Ins. p. 119. n. 530 (1781); *Mant. Ins.* p. 69. n. 658 (1787); *Ent. Syst.* iii. p. 280. n. 78 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

Genus 3. DEUDORIX, *Hewitson*,

Diurn. Lepid. i. p. 16 (1863).

1. Deudorix Eryx.

♀. Papilio (P. R.) Eryx, *Linnæus* [nec Eryx vel Erix, *Cramer*], "alis caudatis, nigris; subtus viridibus, posticis margine subdentato maculatoque: habitat in China."

Fabricius, Syst. Ent. p. 522. n. 336 (1775).

Silhet. (♂ obtained 1847, ♀ 1845, from the Rev. J. Stainsforth) B.M.

This species is evidently the female of *D. Amyntor*. Linnæus describes it thus:—"Alæ omnes supra fuscæ, subtus virescentes; posticæ postice obtuse dentatæ et caudatæ; cauda lineari alba, longitudine fere ipsius alæ; fascia albida et puncta circiter 5 nigra ante marginem posticum; corpus simillimum *P. Marsyæ*" (Mantissa, p. 537).

2. Deudorix Mæcenas.

Hesperia (R.) Mæcenas, *Fabricius*, "alis bicaudatis, atris, disco cæruleo; subtus brunneo nebulosis: habitat in China." *Donovan, Ins. China*, pl. 39. fig. 2 (1798).

Fabricius, Ent. Syst. iii. p. 271. n. 45 (1793).

Hong-Kong, China. (Presented 1861, by J. C. Bowring, Esq.) B.M.

3. Deudorix Sphinx.

Papilio (P. R.) Sphinx, *Fabricius* [nec *Hübner*], "alæ supra cyaneæ, nitidæ, margine anticarum fusco; subtus cinereæ, strigis duabus undatis fuscis; maculæ duæ atræ ad angulum ani, quarum altera antice lunula rufa cingitur, altera major in ipsa cauda alæ; caudæ duæ, anterior tenuissima porrecta, atra apice alba, posterior, rotundata brevior, supra tecta macula rufo-cærulescente; subtus macula magna atra: habitat in India orientali." D. Varuna, *Hewitson* nec *Horsfield*.

Fabricius, Syst. Ent. p. 520. n. 326 (1775).

Java. (Obtained 1849) B.M.

The *D. Varuna* of Horsfield, though allied to this species, seems to be quite distinct.

4. Deudorix Isocrates.

♂. Hesperia (R.) Isocrates, *Fabricius*, "alis bicaudatis, fuscis, strigis duabus approximatis undatis obscurioribus, anguloque ani macula gemina atra: habitat in India."

♀. Hesperia (R.) Pann, *Fabricius*, "alis caudatis, fuscis; anticis macula fulva; posticis atra submarginali; subtus cinereis, ocellis duobus anguli ani: habitat in India." *Donovan, Ins. Ind.* pl. 38. fig. 1 (1800).

Fabricius, Ent. Syst. iii. pp. 266, 276, n. 29, 67 (1793).

♂ ♀, Barrackpore, India. (Presented 1861, by Sir John Hearsay) B.M.

5. Deudorix Melampus.

Papilio (P. R.) Jarbus, *Fabricius* [P. Melampus, *Cramer*], "alis caudatis, fulvis, limbo fusco; subtus cinereis striga alba, posticis punctis duobus atris: habitat in Siam." *Pap. Exot.* iv. pl. 362. figs. G, H (1782); *Donovan, Ins. Ind.* pl. 40. fig. 3 (1800).

Fabricius, Mant. Ins. p. 68. n. 648 (1787).

Hesperia (R.) Jarbes (*sic*), *Fabricius, Ent. Syst.* iii. p. 276. n. 65 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

P. Jarbus differs from the typical *P. Melampus* in having blackened veins to the anterior wings; Donovan's figure is not characteristic.

6. Deudorix? Phidias.

Hesperia (R.) Phidias, *Fabricius*, "alis caudatis, cærulescentibus, limbo fusco; subtus cinereis, omnibus puncto anguli ani atro: habitat in India."

Fabricius, Ent. Syst. iii. p. 286. n. 99 (1793).

Not in the British-Museum collection.

This remarkable species, figured in the unpublished 'Icones' of the late Mr. Jones, was referred by Prof. Westwood to the genus *Lycæna*, which may perhaps be the proper place for it; it seems, however, to have some characters in common with *Deudorix*. This species has lately been figured by Mr. Hewitson as "*Hypolycæna Rabe*, Boisd." (Diurn. Lepid. iv. suppl. p. 12, pl. 5. figs. 30, 31: 1869).

Genus 4. THECLA, *Fabricius*,

Illiger, Mag. vi. p. 286 (1808).

1. Thecla Betulæ.

Papilio (P. R.) Betulæ, *Linnæus*, "alis subcaudatis, fuscis, subtus luteis; posticis strigis duabus albis: habitat in *Betula*, *Pruno spinosa*."

Fabricius, Syst. Ent. p. 520. n. 330 (1775); *Sp. Ins.* p. 118.

n. 525 (1781); *Mant. Ins.* p. 68. n. 649, 650 (1787); *Ent. Syst.* iii. p. 227. n. 69 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

This represents the typical *Thecla* of Fabricius, of which the genus *Dipsas*, Westwood (including *Thecla Quercus*, Linn., and *T. Eretria*, Hewits.), will form a section.

Section DIPSAS, *Westwood*,
Gen. Diurn. Lepid. p. 479 (1852).

2. Thecla Quercus.

Papilio (P. R.) Quercus, *Linnæus*, "alis subcaudatis, cærulescentibus; subtus cinereis, striga alba punctoque ani gemino fulvo: habitat in *Quercu*."

Fabricius, Syst. Ent. p. 521. n. 332 (1775); *Sp. Ins.* p. 118. n. 527 (1781); *Mant. Ins.* p. 69. n. 652 (1787); *Ent. Syst.* iii. p. 278. n. 72 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

There are two specimens of *P. Quercus* in the Banksian Collection in the British Museum.

Genus 5. APHNÆUS, *Hübner*,
Verz. bek. Schmett. p. 81 (1816).

1. Aphnæus Vulcanus.

Papilio (P. R.) Vulcanus, *Fabricius*, "alis bicaudatis, supra fuscis, fulvo maculatis; subtus strigis flavis, fulvis argenteisque variegatis: habitat in India orientali." *Donovan, Ins. Ind.* pl. 38. fig. 3 (1800).

Fabricius, Syst. Ent. p. 519. n. 323 (1775); *Sp. Ins.* p. 114. n. 499 (1781); *Mant. Ins.* p. 66. n. 622 (1787); *Ent. Syst.* iii. p. 264. n. 22 (1793).

Ceylon. (Presented 1852, by Dr. R. Templeton, collected by Mrs. Templeton) B.M.

There are two specimens of *P. Vulcanus* in the Banksian Collection; the name *P. Etolus*, generally applied to this species, being of later date, cannot stand.

2. Aphnæus Pindarus.

Hesperia (R.) Pindarus, *Fabricius*, "alis subtricaudatis, cæruleis, limbo atro; subtus fuscis argenteo fulvoque maculatis: habitat in India." *Donovan, Ins. Ind.* pl. 38. fig. 2 (1800).

Fabricius, Ent. Syst. iii. p. 262. n. 15 (1793).

Not in the collection of the British Museum.

Genus 6. MYRINA, *Fabricius*,

Illiger's Magaz. vi. p. 286 (1808).

1. **Myrina Phocides.**

♀. Hesperia (R.) Phocides, *Fabricius*, "alis caudatis, supra fuscis; posticis albis, punctis duobus nigris: habitat in Africa." *Donovan, Nat. Rep.* ii. pl. 44. fig. 1 (1824).

Fabricius, Ent. Syst. iii. p. 282. n. 85 (1793).

♂, Moulmein, E. Indies. (Obtained 1843, from Archdeacon Clerk) B.M.

The type of *P. Phocides* is in the Banksian Collection; it is not the insect figured by Mr. Hewitson, which is the true female of Felder's *M. Jolcus*, but it is the female of an Indian representative of Horsfield's *M. Sugriva*, of which we have the male.

2. **Myrina Freja.**

Hesperia (R.) Freja, *Fabricius*, "alis bicaudatis, fuscis, subtus disco albo, striga undata, anticarum fulva, posticarum atra: habitat Tranquebariæ." M. Jaffra, *Horsfield, Cat. Lep. Mus. E. I. C.* pl. 11. figs. 5, 5*a*.

Fabricius, Ent. Syst. iii. p. 263. n. 19 (1793).

Moulmein, E. Indies. (Obtained 1843, from Archdeacon Clerk) B.M.

See Proc. Zool. Soc. pp. 34, 36, figs. 1, 1*a* (1867).

3. **Myrina Etolus.**

Papilio (P. R.) Etolus, *Fabricius*, "alis bicaudatis; anticis nigris, posticis cærulescentibus; subtus albidis, puncto baseos duabusque apicis atris: habitat in Indiis."

Fabricius, Mant. Ins. p. 66. n. 620 (1787); *Ent. Syst.* iii. p. 264. n. 20 (1793).

Java. (Obtained 1835) B.M.

4. **Myrina Timon.**

Papilio (P. R.) Timon, *Fabricius*, "alis tricaudatis, fuscis, basi virescentibus; subtus albis, posticis fascia abbreviata sanguinea: habitat in America meridionali."

Fabricius, Mant. Ins. p. 65. n. 611 (1787); *Ent. Syst.* iii. p. 260. n. 9 (1793).

Not in the British-Museum collection, but recently obtained by Mr. Druce from Old Calabar; allied to *M. Mœsa* of Hewitson.

In his 'Naturalist's Repository,' iii. pl. 97 (1825), Donovan figures the *Iolaüs Silas* of Hewitson (Port Natal) as this species, and remarks that "Fabricius refers for the specimen he describes to the cabinet of Dr. Hunter, in which there may perhaps be other examples of the same insect; but we are well assured, from the Fabrician MS., that the description of the species which he has left

us was taken from the drawing in the collection of Mr. Jones, and that this drawing was copied from the specimen in the cabinet of Mr. Drury; subsequently this rarity came into our own possession." On referring, however, to Jones's 'Icones,' to which a MS. Fabrician list of species is appended, no assertion to this effect is inserted, nor is the figure itself named by Fabricius, but by Mr. Jones; it is evident also that the description in the 'Mantissa' was not taken from Drury's specimen, inasmuch as it does not at all agree with it.

The identification of *P. Timon* has now been settled beyond all dispute through the courtesy of John Gibson, Esq., of Glasgow, who has not only examined and sketched the original type in the Hunterian Museum, but has forwarded with his sketches the following careful description of the insect; the latter appears to be in a very mutilated condition:—

Papilio Timon. "Nearly of the size drawn (2 inches), the longest tail, which is the one next the body, being about $\frac{11}{16}$ of an inch long. The colouring of the upperside is very much faded; it is a sort of sepia-brown*, in the front wing the brown is darker at the outside; the hind wing and tail are of a cream-colour, which in the front part of the wing passes off into the brown of the fore wing; the spots and lines are black, except one next the centre of the wing, which is dull brown. The underside is very perfect; it is of a pale cream-colour all over, with two large black spots in the hind wing connected by an irregular band of red; round the inner side of each black spot is a very narrow edge of bright blue."

5. Myrina Lisias.

Papilio (P. R.) Lisias, *Fabricius*, "alis tricaudatis; anticis fuscis, macula fulva; posticis subtus albis, nigro maculatis: habitat in Pulicandor." *Donovan, Ins. Ind.* pl. 40. fig. 1 (1800).

Fabricius, Mant. Ins. p. 65. n. 615 (1787); *Ent. Syst.* iii. p. 261. n. 12 (1793).

Barrackpore, India. (Presented 1861, by Sir John Hearsay) B.M.

The type of *M. Lisias* is in the Banksian Collection in the British Museum. Donovan's figure is most incorrect; the hind wings should be dark brown, not fulvous.

6. Myrina Amor.

Papilio (P. R.) Amor, *Fabricius*, "alis tricaudatis, fuscis; subtus disco variegato strigaque postica aurea: habitat in India orientali."

Fabricius, Syst. Ent. p. 518. n. 321 (1775); *Sp. Ins.* p. 113. n. 491 (1781); *Mant. Ins.* p. 65. n. 610 (1787); *Ent. Syst.* iii. p. 260. n. 7 (1793).

* "Mr. Chapman (a gentleman to whom the keeper of the Museum sent me, as the only one who could find the butterfly for me) thought that the colour towards the base had been a metallic blue; but there was no trace of it remaining, the wing at that part of the upper surface being nearly bare and having only a faded tint of the brown of the rest of that surface."

Ceylon. (Presented 1852, by Dr. Templeton, collected by Mrs. Templeton) B.M.

There is one specimen of *P. Amor*, labelled "*P. Triopas*," in the Banksian Collection in the British Museum; the former, however, is the older name.

7. Myrina Hymen.

♂. Papilio (P. R.) Hymen, *Fabricius*, "alæ anticæ supra fuscæ, macula communi albida ad marginem tenuiorem; subtus fuscæ, lineolis variis transversis albis; posticæ tricaudatæ, albidæ, macula communi marginis anterioris fusca; subtus fuscæ, lineolis plurimis albidis; margo posticus pallidus, macula strigaque terminali atris: habitat in Sierra Leon Africæ."

♀. Papilio (P. R.) Liget, *Cramer*, "alis bicaudatis, albis, apice nigris; subtus fuscis, strigis lunulisque albis: habitat Surinami." *Pap. Exot.* iii. pl. 254. figs. E, F (1782).

♂, *Fabricius, Syst. Ent.* p. 519. n. 322 (1775); *Sp. Ins.* p. 113. n. 495 (1781); ♀, *Sp. Ins.* app. p. 504 (1782); ♂ ♀, *Mant. Ins.* pp. 65, 67, n. 616, 641 (1787); *Ent. Syst.* iii. pp. 262, 274, n. 13, 58 (1793).

Sierra Leone. (♂ presented by the Rev. D. F. Morgan; ♀ collected 1858, by Mr. J. Foxcroft) B.M.

The type of *M. Hymen* is in the Banksian Collection, and was figured by Mr. Jones in his 'Icones;' the Fabrician name has, of course, the claim of priority.

Genus 7. HYPOLYCÆNA, *Felder*, *Wien. ent. Monatschr.* vol. vi. (1862).

1. Hypolycæna Faunus.

Papilio (P. R.) Faunus, *Drury*, "alis tricaudatis, fuscis; subtus albis, strigis duabus fulvis: habitat in Sierra Leon Africæ." *Ill.* ii. pl. 1. figs. 4, 5 (1773).

Hesperia (R.) Hesiodus, *Fabricius*, "alis tricaudatis, atris, disco cæruleo; subtus albis, striga communi virescente, punctisque duobus anguli ani atro-argenteis: habitat in India."

Fabricius, Gen. Ins. p. 266. n. 321, 322 (1776); *Sp. Ins.* p. 113. n. 493 (1781); *Mant. Ins.* p. 65. n. 613 (1787); *Ent. Syst.* iii. pp. 260, 261, n. 8, 11 (1793).

Sierra Leone. (Presented 1838, by the Rev. D. F. Morgan) B.M.

2. Hypolycæna Philippus.

Hesperia (R.) Philippus, *Fabricius*, "alis caudatis, fuscis; subtus albis, strigis duabus fulvis punctisque duobus, anguli ani atris subocellaribus: habitat in India." *Donovan, Ins. Ind.* pl. 42. fig. 3 (1800).

Fabricius, Ent. Syst. iii. p. 283. n. 87 (1793).

Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

3. Hypolycæna Phorbas.

♀. Hesperia (R.) Phorbas, *Fabricius*, "alis caudatis, fuscis, disco albo; subtus albis, cinereo strigosis, punctis duobus anguli ani atris: habitat in India." *Donovan, Ins. Ind.* pl. 41. fig. 5 (1800).

Fabricius, Ent. Syst. iii. p. 277. n. 68 (1793).

♂ ♀, Waigiou. (Obtained 1862, collected by A. R. Wallace, Esq.) B.M.

Mr. Hewitson has figured both sexes of *P. Phorbas*.

Genus 8. IOLAÜS, *Hübner*,

Verz. bek. Schmett. p. 81 (1816).

1. Iolaüs Helius.

Papilio (P. R.) Helius, *Fabricius*, "alis tricaudatis, anticis nigris, posticis cæruleis; subtus cinereis, strigis duabus brunneis, ocellis duobus anguli ani: habitat in Africa æquinoctiali." P. Eurisus, *Cramer, Pap. Exot.* iii. pl. 224. figs. D, E (1782).

Fabricius, Sp. Ins. p. 112. n. 489 (1781); *Mant. Ins.* p. 65. n. 608 (1787); *Ent. Syst.* iii. p. 259. n. 4 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The type of *P. Helius* is in the Banksian Collection in the British Museum, and is figured by Mr. Jones in his 'Icones.'

2. Iolaüs Cippus.

Hesperia (R.) Cippus, *Fabricius*, "alis bicaudatis, cæruleis, limbo fusco; subtus cinereis, posticis punctis duobus apicis atris: habitat in India orientali."

Race. Hesperia (R.) Longinus, *Fabricius*, "alis caudatis, cyaneis, limbo atro; subtus cinereis, posticis striga lunulari punctisque duobus atris: habitat in India orientali."

Fabricius, Ent. Syst. suppl. pp. 429, 430, n. 43, 44, 77, 78 (1798).

P. Cippus, Ceylon (presented 1852, by Dr. R. Templeton, collected by Mrs. Templeton); *P. Longinus*, Assam (obtained 1848, from Mr. Warwick). B.M.

Genus 9. BITHYS, *Hübner*,

Verz. bek. Schmett. p. 75 (1816).

1. Bithys Strephon.

Papilio (P. R.) Strephon, *Fabricius*, "alis caudatis, fuscis, disco cærulescentibus; subtus cinereis, fascia alba, angulo ani ocello gemino rufo: habitat in India orientali."

Fabricius, Syst. Ent. p. 522. n. 334 (1775); *Sp. Ins.* p. 119. n. 531 (1781); *Mant. Ins.* p. 69. n. 659 (1787).

Pará, Lower Amazons. (Presented by Mrs. J. P. G. Smith) B.M.

The type of *P. Strephon* is in the Banksian Collection in the British Museum, and is figured in Jones's 'Icones;' it is identical with Cramer's *P. Sichæus* (which it will supersede), but is quite distinct from *P. Cyllarus*, Cramer. Donovan's figure gives no idea of the insect, so that it is useless to quote it.

2. Bithys Cyllarus.

Hesperia (R.) Strephon (part.), *Fabricius* [P. Cyllarus, *Cramer*]. *Pap. Exot.* i. pl. 27. figs. C, D (1775).

Fabricius, Ent. Syst. iii. p. 281. n. 80 (1793).

Pará, Lower Amazons. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

3. Bithys Agrippa.

Hesperia (R.) Agrippa, *Fabricius*, "alis tricaudatis, cæruleis, limbo atro; subtus cinereis, striga alba maculisque duabus rufis anguli ani: habitat in America."

Fabricius, Ent. Syst. iii. p. 259. n. 3 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

The *P. Agrippa* of Mr. Doubleday's 'List' is a species of *Strymon* belonging to the *P. Ixion* group.

4. Bithys Dindymus.

Papilio (P. R.) Sphinx (part.), *Fabricius* [P. Dindymus, *Cramer*]. *Pap. Exot.* i. pl. 46. figs. F, G (1779).

Fabricius, Sp. Ins. p. 116. n. 511 (1781); *Mant. Ins.* p. 67. n. 634 (1787); *Ent. Syst.* iii. p. 270. n. 43 (1793).

Venezuela. (Obtained 1844, from Herr J. J. Becker) B.M.

Subgenus 1. TMOLUS, *Hübner*,
Verz. bek. Schmett. p. 76 (1816).

1. Tmolus Sophocles. Pl. II. fig. 5.

Hesperia (R.) Sophocles, *Fabricius*, "alis bicaudatis, nigris, disco communi cæruleo; subtus albis, strigis undatis flavescentibus, posticis puncto apicis fulvo: habitat in Indiis." *Donovan, Ins. Ind.* pl. 40. fig. 2 (1800).

Fabricius, Ent. Syst. iii. p. 267. n. 31 (1793).

Honduras. (Obtained 1845, from Mr. Dyson's collection) B.M.

2. Tmolus Echion.

Papilio (P. R.) Echion, *Linnæus*, "alis bicaudatis, supra fuscis: subtus pallescentibus, fascia rufa ocelloque terminali rubro: habitat in America."

Fabricius, Syst. Ent. p. 519. n. 325 (1775); *Sp. Ins.* p. 115.

n. 508 (1781); *Mant. Ins.* p. 67. n. 631 (1787); *Ent. Syst.* iii. p. 269. n. 38 (1793).

♂, Pernambuco (presented 1845, by Mrs. J. P. G. Smith); ♀, Rio Janeiro (obtained 1850). B.M.

The figure in Kleemann's Supplement to the 'Naturforscher,' pl. 6 (not 7) figs. 3, 3 *b*, is scarcely recognizable, but most nearly resembles *Deudorix Phoanga* of Hewitson; it does not agree with the Linnæan description; moreover Kleemann states that he believes his insect to have come from the East Indies. Mr. Jones, in his unpublished 'Icones,' figured *Hypolycæna Antifaunus* of Hewitson as the *P. Echion* of Linnæus; but this is an African species, and will scarcely do for it.

3. **Tmolus Moncus.** Pl. II. fig. 10.

Papilio (P. R.) Moncus, *Fabricius*, "alis tricaudatis, fuscis; subtus niveis nigro subfasciatis, posticis ocellis duobus auratis: habitat in Africa æquinoctiali."

Fabricius, Sp. Ins. p. 113. n. 492 (1781); *Mant. Ins.* p. 65. n. 612 (1787); *Ent. Syst.* iii. p. 261. n. 10 (1793).

Cayenne. (Presented by the Entomological Club) B.M.

The type of *P. Moncus* is in the Banksian Collection in the British Museum, and is figured in Jones's 'Icones.'

4. **Tmolus Cleon.** Pl. II. figs. 4, 6.

♀. Papilio (P. R.) Cleon, *Fabricius*, "alis caudatis, fuscis; subtus cinereis, anticis striga, posticis fascia sanguinea, angulo ani ocello gemino rufo: habitat in Brasilia."

Fabricius, Syst. Ent. p. 522. n. 335 (1775); *Sp. Ins.* p. 120. n. 532 (1781); *Mant. Ins.* p. 69. n. 660 (1787); *Ent. Syst.* iii. p. 282. n. 84 (1793).

Parà, Lower Amazons. (Obtained 1852, collected by H. W. Bates, Esq.) B.M.

The type of *P. Cleon* is in the Banksian Collection in the British Museum; the species figured by Jones in his unpublished 'Icones' is an allied but distinct insect.

5. **Tmolus Tyrtæus.**

♀. Hesperia (R.) Tyrtæus, *Fabricius*, "alis bicaudatis, fuscis; posticis subtus striga undata alba lunulisque marginalibus nigris, intermediis rufis: habitat in India." *Donovan, Ins. Ind.* pl. 41. fig. 2 (1800).

Fabricius, Ent. Syst. iii. p. 271. n. 46 (1793).

Pernambuco. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

6. **Tmolus Endymion.**

Papilio (P. R.) Endymion, *Fabricius*, "alis bicaudatis, fuscis, ma-

cula rufa; subtus fascia maculisque duabus terminalibus rufis: habitat in Brasilia." T. Hugo, *Doubleday's List.*

Var. Hesperia (R.) Xenophon, *Fabricius*, "alis bicaudatis, fuscis, disco flavo, subtus cinereis, striga media alba fusco irrorata: habitat in India." T. Calisto, *Doubleday's List*; P. Xenophon, *Donovan, Ins. Ind.* pl. 41. fig. 3 (1800).

Fabricius, Syst. Ent. p. 519. n. 324 (1775); *Ent. Syst.* iii. p. 272. n. 47 (1793).

Parà, Lower Amazons (obtained 1851, collected by H. W. Bates, Esq.); var. *P. Xenophon*, Pernambuco (presented 1845, by Mrs. J. P. G. Smith). B.M.

This is not the *P. Endymion* of the 'Mantissa,' the latter being the *P. Regalis* of Cramer; the description in the 'Systema' compares *P. Endymion* to *P. Echion* of Linnæus, and in no way applies to *P. Regalis.*

7. Tmolus Pythagoras.

Hesperia (R.) Pythagoras, *Fabricius*, "alis tricaudatis, atris, limbo flavo; subtus nigris albo variis, fascia media alba: habitat in Indiis." *Donovan, Ins. Ind.* pl. 39. fig. 3 (1800).

Fabricius, Ent. Syst. iii. p. 259. n. 6 (1793).

Not in the collection of the British Museum.

8. Tmolus Cecrops.

Hesperia (R.) Cecrops, *Fabricius*, "alis bicaudatis, nigris; subtus fascia sanguinea: habitat in Indiis." *Hübner, Samml. exot. Schmett.* i. pl. 101 (1806), at lunulis marginalibus indistinctis.

Fabricius, Ent. Syst. iii. p. 270. n. 41 (1793).

East Florida*. (Obtained 1840, from Mr. Children's Collection) B.M.

9. Tmolus Columella.

Hesperia (R.) Columella, *Fabricius*, "alis caudatis, fuscescentibus; subtus cinereis, posticis striga punctorum atrorum alborumque, maculisque duabus fulvis: habitat in Americæ meridionalis insulis." L. Bubastus and Erytalus, *Boisd. in Doubleday's List.*

Fabricius, Ent. Syst. iii. p. 282. n. 83 (1793).

Jamaica. (Obtained 1845, from Mr. Gosse's collection) B.M.

10. Tmolus Dindus.

♀. Hesperia (R.) Dindus, *Fabricius*, "alis bicaudatis, atris margine tenuiore cæruleo; subtus cinereis albo maculatis maculaque duplici rufa anguli ani: habitat in India."

Fabricius, Ent. Syst. iii. p. 269. n. 40 (1793).

Not in the collection of the British Museum.

* Registered in Cat. Lep. Brit. Mus. ii. as also from Honduras.

This species is referred in the 'Genera of Diurnal Lepidoptera' to the genus *Myrina*; it seems, from Mr. Jones's figure, to come near *T. Mulucha* of Hewitson; it may, however, be nearer to *T. Olbia*, Hewitson.

11. **Tmolus Pericles.**

Hesperia (R.) Pericles, *Fabricius*, "alis bicaudatis, nigris; subtus fuscis albo undatis, angulo ani macula duplici argentea: habitat in Indiis." *Donovan, Ins. Ind.* pl. 42. fig. 4 (1800).
Fabricius, Ent. Syst. iii. p. 273. n. 54 (1793).

Allied to *T. Mulucha* of Hewitson.

12. **Tmolus Aunus.**

Papilio (P. R.) Aunus, *Cramer*, "alis subtricaudatis, cæruleis, limbo atro; subtus nigris, albo fasciatis: habitat in *Curaçao* Americæ." *Pap. Exot.* i. pl. 23. figs. E, F (1775), not good.
Fabricius, Gen. Ins. p. 267. n. 322, 323 (1776); *Sp. Ins.* p. 114. n. 498 (1781); *Mant. Ins.* p. 66. n. 619 (1787); *Ent. Syst.* iii. p. 263. n. 18 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

Subgenus 2. STRYMON, *Hübner*,
Verz. bek. Schmett. p. 74 (1816).

1. **Strymon Ixion.**

♂. Papilio (P. R.) Ixion, *Fabricius*, "alæ supra fuscæ, cæruleo nitentes; subtus obscure cinereæ, anticis striga obliqua abbreviata, nivea; posticis punctis duobus baseos strigaque media niveis, apice fascia rufa, antice nigro punctata: habitat in India."
♀. Hesperia (R.) Euripides, *Fabricius*, "alis bicaudatis, atris, disco cæruleo; subtus fuscis, posticis strigis angulatis albis maculaque ocellari rufa: habitat in Indiis."
♂, *Fabricius, Syst. Ent.* p. 523. n. 340 (1775); *Sp. Ins.* p. 121. n. 540 (1781); *Mant. Ins.* p. 71. n. 671 (1787); ♂ ♀, *Ent. Syst.* iii. pp. 265, 269, n. 24, 32 (1793).

♂, Oaxaca, Mexico. (Obtained 1858, from M. Sallé) B.M.

This species is referred by Fabricius in the 'Entomologia Systematica' to his *P. Mars* (*P. Acis* of Drury); it is, however, quite distinct from it.

2. **Strymon Mars.**

Papilio (P. R.) Mars, *Fabricius*, "alis bicaudatis, fuscis, posticis macula rufa; subtus punctis duobus fasciaque obliqua alba: habitat in America meridionali."

Fabricius, Gen. Ins. p. 268. n. 324, 325 (1776); *Sp. Ins.* p. 114. n. 501 (1781); *Mant. Ins.* p. 66. n. 624 (1787); *Ent. Syst.* iii. p. 265. n. 24 (1793).

West Indies. (Obtained 1840, from Mr. Children's collection) B.M.

3. **Strymon Titus.**

Hesperia (R.) Titus, *Fabricius*, "alis integerrimis, fuscis immaculatis; posticis subtus ocellatis strigaque postica maculari fulva: habitat in Anglia." S. Mopsus, *Hübner, Exot. Schmett. Zuträge*, figs. 135, 136 (1806).

Fabricius, Ent. Syst. iii. p. 297. n. 130 (1793).

North America. (Probably from Mr. Milne's collection) B.M.

The specimen of *P. Titus* in the National Collection bears an old label, on which is written "*Titus*, 130," evidently a reference to the description by Fabricius. It is quite possible that this is the type from Drury's collection, received through Mr. Milne, as it answers in every particular to the description, and has altogether the appearance of a very old specimen; its true habitat appears to be New England.

4. **Strymon Anacreon.**

Hesperia (R.) Anacreon, *Fabricius*, "alis bicaudatis, fuscis; subtus albo undatis strigaque postica maculari fulva: habitat in India."

Fabricius, Ent. Syst. iii. p. 268. n. 34 (1793).

Not in the collection of the British Museum.

5. **Strymon Spini.**

Papilio (P. R.) Spini, *Denis*, "alis caudatis, fuscis; subtus cinereis, lunulis marginalibus fulvis maculaque anali cærulescente: habitat in Germaniæ *Pruno spinosa*."

Fabricius, Mant. Ins. p. 68. n. 651 (1787); *Ent. Syst.* iii. p. 278. n. 71 (1793).

Germany. (Obtained 1842, by Herr J. J. Becker) B.M.

Var. Papilio (P. R.) Acaciæ, *Fabricius*, "alis caudatis, fuscis; subtus cinerascentibus, striga alba lunulisque analibus fulvis: habitat in Russia australiore." *Hübner, Eur. Schmett.* i. pl. 148. figs. 743–746 (1805).

Fabricius, Mant. Ins. p. 69. n. 655 (1787); *Ent. Syst.* iii. p. 279. n. 75 (1793).

This is probably only a variety of *P. Spini.*

6. **Strymon Ilicis.**

Papilio (P. R.) Linceus (*sic*), *Fabricius*, not P. Lynceus, *Esper* [P. Ilicis, *Esper*], "alis caudatis, fuscis immaculatis; posticis subtus striga lunulata alba rufaque: habitat in Russiæ borealioris sylvaticis."

Fabricius, Mant. Ins. p. 69. n. 653 (1787); *Ent. Syst.* iii. p. 279. n. 73 (1793).

Polish Ukraine. (Presented 1843, by Dr. Dowler) B.M.

Esper's *P. Lynceus* (*P. Quercus*, var., on plate) is the *P. Spini* of Denis.

7. Strymon Pruni.

Papilio (P. R.) Pruni, *Linnæus*, "alis subcaudatis, supra fuscis; posticæ subtus fascia marginali fulva, nigro punctata: habitat in *pruno*."

Fabricius, Syst. Ent. p. 521. n. 331 (1775); *Sp. Ins.* p. 118. n. 526 (1781); *Ent. Syst.* iii. p. 277. n. 70 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

There is a specimen of *P. Ilicis*, Esper, labelled "*P. Pruni*, Linn.," in the Banksian Collection in the British Museum.

8. Strymon W-album.

Papilio (P. R.) Cerasi, *Fabricius*, "alis caudatis, fuscis immaculatis, subtus striga alba; posticis lunulis fulvis puncto nigro notatis: habitat in Austriæ *Ceraso*."

Fabricius, Mant. Ins. p. 69. n. 654 (1787); *Ent. Syst.* iii. p. 279. n. 74 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

Section Lycus*, *Hübner*,

Verz. bek. Schmett. p. 74 (1816).

9. Strymon Simaëthis.

Papilio (P. R.) Simaëthis, *Drury*, "alis caudatis, fuscis; subtus viridibus striga argentea: habitat in Indiis." *Ill.* i. pl. 1. fig. 3 (1770).

Fabricius, Syst. Ent. p. 523. n. 338 (1775); *Sp. Ins.* p. 120. n. 537 (1781); *Mant. Ins.* p. 70. n. 668 (1787); *Ent. Syst.* iii. p. 286. n. 97 (1793).

Alter do chao, near Santarem, Lower Amazons. (Obtained 1854, collected by H. W. Bates, Esq.) B.M.

A broken example of Cramer's *P. Damon* represents *P. Simaëthis* in the Banksian Collection in the British Museum.

10. Strymon Rubi.

Papilio (P. R.) Rubi, *Linnæus*, "alis subcaudatis, supra fuscis, subtus viridibus: habitat in *rubo*."

Fabricius, Syst. Ent. p. 523. n. 339 (1775); *Sp. Ins.* p. 121.

* This name is already used for a genus of Coleoptera.

n. 539 (1781); *Mant. Ins.* p. 71. n. 670 (1787); *Ent. Syst.* iii. p. 287. n. 102 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

There are two specimens of *P. Rubi* in the Banksian Collection in the British Museum.

11. Strymon Romulus.

Hesperia (R.) Romulus, *Fabricius*, "alis integerrimis, fuscis; subtus viridibus, posticis macula rufa: habitat in Indiis." *Donovan, Ins. Ind.* pl. 46. fig. 5 (1800).

Fabricius, Ent. Syst. iii. p. 316. n. 195 (1793).

Pernambuco, Brazil. (Presented by Mrs. J. P. G. Smith) B.M.

12. Strymon Amyntor.

♀. Papilio (P. R.) Eryx (part.), *Fabricius*, nec *Linnæus* [P. Amyntor, *Cramer*]. *Pap. Exot.* i. pl. 48. fig. E (1779); T. Menalcas, *Doubl. List.*

Fabricius, Sp. Ins. p. 120. n. 534 (1781); *Mant. Ins.* p. 70. n. 663 (1787); *Ent. Syst.* iii. p. 283. n. 89 (1793).

Pernambuco. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

This species was subsequently described and figured by Cramer under the name of *P. Menalcas* (♀, *Pap. Exot.* iii. pl. 259. figs. A, B: 1782).

13. Strymon Herodotus.

Hesperia (R.) Herodotus, *Fabricius*, "alis caudatis, cæruleis; subtus viridibus, posticis striga punctorum nigro-alborum: habitat in Indiis." *Donovan, Ins. Ind.* pl. 39. fig. 2 (1800).

Fabricius, Ent. Syst. iii. p. 286. n. 100 (1793).

West Coast of America. (Presented 1844, by Sir E. Belcher) B.M

Genus 10. CHALYBS*, *Hübner*,

Verz. bek. Schmett. p. 76 (1816).

1. Chalybs Janias.

Papilio (P. R.) Janias, *Cramer*, "alis tricaudatis, cæruleis, limbo atro, subtus viridibus: habitat Surinami." *Pap. Exot.* pl. 213. figs. D, E (1782).

Fabricius, Sp. Ins. p. 112. n. 490 (1781); *Mant. Ins.* p. 65. n. 609 (1787); *Ent. Syst.* iii. p. 259. n. 5 (1793).

Pará, Lower Amazons. (Obtained 1851, collected by H. W. Bates, Esq.) B.M.

* This genus may perhaps be no more than a modification of the preceding; but the species composing it have a very different aspect.

2. Chalybs Telemus.

Papilio (P. R.) Telemus, *Cramer*, "alis bicaudatis, cæruleis, nitidis; posticis subtus striga marginali angulata atra: habitat in America meridionali." *Pap. Exot.* i. pl. 4. figs. D, E (1775).

Fabricius, Gen. Ins. p. 268. n. 325, 326 (1776); *Sp. Ins.* p. 115. n. 509 (1781); *Mant. Ins.* p. 67. n. 632 (1787); *Ent. Syst.* iii. p. 267. n. 39 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

Cramer's figure (as Mr. Hewitson has observed) has quite the appearance of a butterfly that has been clipped with a view to making it pass off as a perfect specimen.

3. Chalybs Ganymedes.

Papilio (P. R.) Ganymedes, *Cramer*, "alis bicaudatis, cærulescentibus, limbo fusco; subtus basi virescentibus, punctis aureis: habitat in India." *Pap. Exot.* i. pl. 40. figs. C, D (1776).

Fabricius, Gen. Ins. p. 267. n. 323, 324 (1776); *Sp. Ins.* p. 114. n. 500 (1781); *Mant. Ins.* p. 66. n. 623 (1787); *Ent. Syst.* iii. p. 264. n. 23 (1793).

Not in the collection of the British Museum.

4. Chalybs Gabriela.

Papilio (P. R.) Gabrielis, *Fabricius* [P. Gabriela, *Cramer*], "alis subtricaudatis, cæruleis, nitidissimis; posticis subtus fuscis, ante apicem albo fasciatis: habitat in America meridionali." *Pap. Exot.* i. pl. 6. figs. C, D (1775).

Fabricius, Sp. Ins. p. 113. n. 496 (1781); *Mant. Ins.* p. 65. n. 617 (1787); *Ent. Syst.* iii. p. 262. n. 14 (1793).

Brazil. (Obtained 1843) B.M.

5. Chalybs Regalis.

Papilio (P. R.) Endymion (part.), *Fabricius* [P. Regalis, *Cramer*], "alis bicaudatis, subtus viridibus auro rufoque irroratis, posticis striga atra fasciaque sanguinea: habitat Surinami." *Pap. Exot.* i. pl. 72. figs. E, F (1779).

Fabricius, Sp. Ins. p. 115. n. 506 (1781); *Mant. Ins.* p. 67. n. 629 (1787); *Ent. Syst.* iii. p. 268. n. 36 (1793).

Brazil. (Presented 1847, by H. G. Harrington, Esq.) B.M.

Subgenus 1. THERITAS, *Hübner*,

Verz. bek. Schmett. p. 80 (1816).

1. Theritas Actæon.

Papilio (P. R.) Actæon, *Fabricius*, "alæ anticæ supra cyaneæ,

apice maculisque media nigris ; posticæ cyaneæ, margine nigro ; caudæ tres, interiore brevissima, nigræ, margine aureo ; subtus viridi-aureæ, atomis nigris : habitat . . . . ."

Papilio (P. R.) Venus, *Fabricius* [P. Imperialis, *Cramer*], " alis bicaudatis ; subtus anticis viridibus, auro irroratis ; posticis aureis viridi atroque maculatis : habitat Surinami." *Pap. Exot.* i. pl. 76. figs. E, F (1779).

Fabricius, Syst. Ent. app. p. 829. n. 321, 322 (1776) ; *Sp. Ins.* pp. 113, 115, n. 494, 507 (1781) ; *Mant. Ins.* pp. 65, 67, n. 614, 630 (1787) ; *Ent. Syst.* iii. p. 268. n. 37 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

Subgenus 2. MITHRAS, *Hübner*,
Verz. bek. Schmett. p. 79 (1816).

1. Mithras Pholeus.

Papilio (P. R.) Pholeus, *Cramer*, " alis bicaudatis, cæruleis ; subtus atris, viridi cæruleoque fasciatis : habitat Surinami." *Pap. Exot.* ii. pl. 163. figs. D, E (1779).

Fabricius, Sp. Ins. p. 115. n. 505 (1781) ; *Mant. Ins.* p. 66. n. 628 (1787) ; *Ent. Syst.* iii. p. 267. n. 33 (1793).

Pará, Lower Amazons. (Obtained 1851, collected by H. W. Bates, Esq.) B.M.

2. Mithras Hemon.

♀. Papilio (P. R.) Hemon, *Cramer*, " alis bicaudatis, supra fuscis immaculatis ; posticis subtus angulo ani fasciis tribus cæruleis : habitat Surinami." *Pap. Exot.* i. pl. 20. figs. D, E (1775).

♂. Papilio (P. R.) Acmon, *Cramer*, " alis bicaudatis, cæruleis ; posticis subtus atris, apice strigis viridi-aureis : habitat Surinami." *Pap. Exot.* i. pl. 51. figs. C, D (1779).

Fabricius, Gen. Ins. p. 269. n. 325, 326 (1776) ; *Sp. Ins.* pp. 115, 116, n. 510, 512 (1781) ; *Mant. Ins.* pp. 67, 70, n. 633, 665 (1787) ; *Ent. Syst.* iii. pp. 270, 284, n. 42, 93 (1793).

Cayenne. (Obtained 1847, from Herr J. J. Becker's collection) B.M.

This species is in the Banksian Collection in the British Museum.

3. Mithras Ematheon.

Papilio (P. R.) Ematheon, *Cramer*, " alis bicaudatis, cæruleo nitidis ; subtus atris cæruleo irroratis : habitat Surinami." *Pap. Exot.* ii. pl. 163. figs. F, G (1779).

Fabricius, Sp. Ins. p. 114. n. 503 (1781) ; *Mant. Ins.* p. 66. n. 626 (1787) ; *Ent. Syst.* iii. p. 266. n. 26 (1793).

Not in the collection of the British Museum.

4. Mithras? Theocritus.

Hesperia (R.) Theocritus, *Fabricius*, "alis caudatis, virescentibus, costa obscuriore; subtus nigris, flavo punctatis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 45. fig. 4 (1800).

Fabricius, Ent. Syst. iii. p. 289. n. 106 (1793).

Most nearly allied to *T. Monica* of Hewitson.

Subgenus 3. BRANGAS, *Hübner*,

Verz. bek. Schmett. p. 80 (1816).

1. Brangas Thales.

Hesperia (R.) Thales, *Fabricius*, "alis bicaudatis, atris; subtus lunulis cæruleis, posticis fascia abbreviata submarginali aurea: habitat in Indiis." *Donovan, Ins. Ind.* pl. 40. fig. 4 (1800); Brangas Thrasyllus, *Hübner, Exot. Schmett. Zuträge*, figs. 965, 966 (1806).

Fabricius, Ent. Syst. iii. p. 268. n. 35 (1793).

Brazil. (Obtained 1851) B.M.

2. Brangas Ceranus.

♀. Hesperia (R.) Ceranus, *Cramer*, "alis caudatis, cærulescentibus; subtus brunneis, basi albo maculatis: habitat in India." *Pap. Exot.* iv. pl. 332. figs. C, D (1782).

♂?. Papilio (P. R.) Getus, *Fabricius* [P. Pelops, *Cramer*], "alis subtricaudatis, cæruleis, limbo atro; subtus fuscis, basi rufis, albo punctatis: habitat Surinami."

P. Getus, *Fabricius, Mant. Ins.* p. 66. n. 621 (1787).

P. Petus (*sic*) and Ceranus, *Fabricius, Ent. Syst.* iii. pp. 264, 276, n. 21, 66 (1793).

Not in the British-Museum collection*.

3. Brangas Dydimaön.

Papilio (P. R.) Didymaön (*sic*), *Fabricius* [P. Dydimaön, *Cramer*], "alis bicaudatis, fuscis; subtus basi rubris, punctis ocellaribus albis: habitat Surinami." *Pap. Exot.* ii. pl. 134. fig. A (1779).

Fabricius, Sp. Ins. p. 114. n. 504 (1781); *Mant. Ins.* p. 66. n. 627 (1787); *Ent. Syst.* iii. p. 266. n. 27 (1793).

Brazil. B.M.

Genus 11. ŒNOMAÜS†, *Hübner*,

Verz. bek. Schmett. p. 76 (1816).

1. Œnomaüs Marsyas.

Papilio (P. R.) Marsyas, *Linnæus*, "alis bicaudatis, supra cæru-

* We have a species agreeing with *P. Ceranus* on the under surface, but differing entirely above, from Guiana.

† This is the *Pseudolycæna* of Wallengren; it contains at present six or eight well-marked but nearly allied species.

leis; subtus cærulescentibus, punctis atris: habitat in America." *Clerck, Icones*, pl. 41. fig. 1 (1764).

Fabricius, Syst. Ent. p. 520. n. 327 (1775); *Sp. Ins.* p. 116. n. 513 (1781); *Mant. Ins.* p. 67. n. 635 (1787); *Ent. Syst.* iii. p. 272. n. 48 (1793).

Honduras. (Obtained 1845, from Mr. Dyson's collection) B.M.

There is one shattered specimen of *P. Marsyas* in the Banksian Collection in the British Museum.

Genus 12. ATLIDES, *Hübner*,

Verz. bek. Schmett. p. 80 (1816).

1. Atlides Atys.

Hesperia (R.) Atys, *Cramer*, "alis bicaudatis, fuscis, disco cæruleo; subtus cinereis, fusco venosis, basi macula fulva punctisque albis: habitat in India." *Pap. Exot.* iii. pl. 259. figs. E, F (1782).

Fabricius, Ent. Syst. iii. p. 267. n. 30 (1793).

Amazons. B.M.

This species is quite distinct from the *P. Polybe* of Linnæus.

2. Atlides Halesus.

Papilio (P. R.) Halesus, *Cramer*, "alis bicaudatis, cæruleis, margine nigro, posticis apice utrinque auro maculatis: habitat in America boreali." *Pap. Exot.* i. pl. 98. figs. B, C (1779).

Fabricius, Sp. Ins. p. 116. n. 517 (1781); *Mant. Ins.* p. 67. n. 638 (1787); *Ent. Syst.* iii. p. 273. n. 52 (1793).

Oaxaca, Mexico. (Obtained 1858, from M. Sallé) B.M.

Genus 13. PANTHIADES, *Hübner*,

Verz. bek. Schmett. p. 79 (1816).

1. Panthiades Pelion.

♀. Papilio (P. R.) Pelion, *Cramer*, "alis subtricaudatis, cæruleis, auro punctatis, limbo fusco: habitat in America meridionali." *Pap. Exot.* i. pl. 6. figs. E, F (1775).

♂. Papilio (P. R.) Æolus, *Fabricius*, "alis caudatis, cyaneis, anticis macula nigra; omnibus subtus fascia alba nigro striata: habitat in Indiis." P. Thallus, *Cramer, Pap. Exot.* iii. pl. 259. figs. C, D (1782); P. Æolus, *Donovan, Ins. Ind.* pl. 42. fig. 1 (1800), not good.

P. Æolus, *Fabricius, Syst. Ent.* p. 522. n. 337 (1775).

P. Pelion, *Fabricius, Gen. Ins.* p. 267. n. 322, 323 (1776); *Sp. Ins.* pp. 113, 120, n. 497, 535 (1781); *Mant. Ins.* pp. 66, 70, n. 618, 664 (1787); *Ent. Syst.* iii. pp. 263, 284, n. 17, 90 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

The type specimen of *P. Æolus* is in the Banksian Collection in the British Museum.

2. Panthiades Chiton.

Hesperia (R.) Chiton, *Fabricius*, "alis tricaudatis, cæruleis, limbo fusco; subtus flavescenti-albis, nigro fasciatis: habitat in India." *Donovan, Ins. Ind.* pl. 39. figs. 1, 1*a* (1800).

Fabricius, Ent. Syst. iii. p. 262. n. 16 (1793).

Not in the National Collection.

P. Chiton must be distinct from *P. Phaleros*, with which it has been placed as a synonym.

3. Panthiades Battus.

Papilio (P. R.) Bathis, *Fabricius* [P. Battus, *Cramer*], "alis bicaudatis, cæruleis, ocello atro; subtus fuscis, albo fasciatis, angulo ani rufo: habitat Surinami." *Pap. Exot.* i. pl. 51. figs. E, F (1779).

Fabricius, Sp. Ins. p. 116. n. 514 (1781); *Mant. Ins.* p. 67. n. 635*b* (1787); *Ent. Syst.* iii. p. 272. n. 49 (1793).

In the collection of Osbert Salvin, Esq., from Cayenne.

4. Panthiades Melibæus.

Hesperia (R.) Melibæus, *Fabricius*, "alis bicaudatis, cærulescentibus, limbo fusco; subtus flavescentibus, anticis fusco, posticis nigro strigosis, angulo ani atro annulis cæruleis: habitat in India." *Donovan, Ins. Ind.* pl. 41. fig. 1 (1800).

Fabricius, Ent. Syst. iii. p. 271. n. 44 (1793).

Rio Janeiro. (Obtained 1850) B.M.

5. Panthiades Linus.

♀. Papilio (P. R.) Linus, *Fabricius*, "alis caudatis, albis, apice fuscis; subtus albo atroque fasciatis, angulo ani punctis tribus albis: habitat Surinami." ♂ ♀, P. Ætolus, *Cramer, Pap. Exot.* iv. pl. 340. figs. F–H (1782).

Fabricius, Gen. Ins. p. 269. n. 341, 342 (1776); *Sp. Ins.* p. 121. n. 542 (1781); *Mant. Ins.* p. 71. n. 673 (1787).

H. Lincus (*sic*), *Fabricius, Ent. Syst.* iii. p. 289. n. 107 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

6. Panthiades Meton.

♂. Papilio (P. R.) Meton, *Cramer*, "alis bicaudatis, albis, limbo fusco, anticis macula ocellari aurea: habitat Surinami." *Pap. Exot.* iii. pl. 201. figs. D, E (1781?).

♀. Hesperia (R.) Augustus, *Fabricius*, "alis caudatis, albis, limbo

fusco; subtus ferrugineo flavoque variis, posticis strigis duabus cinereis: habitat in America."

Fabricius, Sp. Ins. p. 117. n. 519 (1781); *Mant. Ins.* p. 67. n. 640 (1787); *Ent. Syst.* iii. pp. 274, 275, n. 56, 62 (1793).

♂, Rio Napo; ♀, Ega, Upper Amazons. (Obtained 1851, collected by H. W. Bates, Esq.) B.M.

Family IV. PAPILIONIDÆ (*Doubl.*), *Bates*,

Journal of Entomology, p. 219, December 1861.

Subfamily I. *PIERINÆ*, Bates,

Journal of Entomology, p. 220, December 1861.

Genus 1. PIERIS, *Schrank*.

Fauna Boica, ii. 1. p. 152 (1801).

1. Pieris Cratægi.

Papilio (P.) Cratægi, *Linnæus*, "alis rotundatis, albis, venis nigris: habitat....."

Fabricius, Syst. Ent. p. 466. n. 101 (1775); *Sp. Ins.* p. 35. n. 149 (1781); *Mant. Ins.* p. 17. n. 171 (1787); *Ent. Syst.* iii. p. 182. n. 563 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

This species, though local in England, abounds all over the Continent; it flies rapidly in open country.

There are two discoloured specimens of *P. Cratægi* in the Banksian Collection in the British Museum.

2. Pieris Monuste.

♂. Papilio (D. C.) Monuste, *Linnæus*, "alis rotundatis, integerrimis, albis, margine fusco: habitat in America."

♀. Papilio (D. C.) Phileta, *Fabricius*, "alis integerrimis, rotundatis, griseis; anticis supra albis, apice fuscis: habitat in America."

Fabricius, Syst. Ent. pp. 470, 471, n. 117, 119 (1775); *Sp. Ins.* p. 41. n. 168, 171 (1781); *Mant. Ins.* p. 19. n. 191, 194 (1787); *Ent. Syst.* iii. pp. 189, 190, n. 585, 590 (1793).

Jamaica. (Obtained 1845, from Mr. Gosse) B.M.

Frequents cultivated places, according to Mr. Bates (Journ. Entom. December 1861).

There is one discoloured male of *P. Monuste* in the Banksian Collection in the British Museum. Cramer's figure of the species is scarcely recognizable.

3. Pieris Eudoxia.

♀. Papilio (D. C.) Eudoxia, *Drury*, "alis rotundatis, integerrimis, albis, margine nigro, subtus basi fulvis margineque nigro maculato: habitat in Sierra Leon Africæ." *Ill.* iii. pl. 32. figs. 1, 2 (1782).

Local form, ♂. Papilio (D. C.) Sylvia, *Fabricius*, "alis rotundatis, integerrimis, albis; anticis apice fuscis; subtus macula baseos fulva: habitat in Sierra Leon." *Jones's Icones ined.*

♂, *Fabricius, Syst. Ent.* p. 470. n. 115 (1775); *Sp. Ins.* p. 40. n. 166 (1781); *Mant. Ins.* p. 18. n. 189 (1787); ♂ ♀, *Ent. Syst.* iii. pp. 188, 199, n. 582, 620 (1793).

♂ ♀, Ashanti. (Obtained 1844) B.M.

Specimens of *P. Eudoxia* in the British-Museum collection from Sierra Leone, agreeing with the type of *P. Sylvia*, differ from the Ashanti examples in being paler, with the base of the wings in the males of almost a brimstone-colour; the Ashanti form agrees best with Drury's figure.

4. Pieris Rhodope.

♂. Papilio (D. C.) Rhodope, *Fabricius*, "alis rotundatis, integerrimis, extimo nigris; anticis flavis, posticis albis: habitat in Sierra Leon." *Donovan, Nat. Rep.* iii. pl. 86 (1825).

♀. Papilio (D. C.) Poppea, *Cramer*, "alis rotundatis, integerrimis, concoloribus albis, margine nigro maculato, anticis macula baseos ferruginea: habitat in Sierra Leon Africæ." *Pap. Exot.* ii. pl. 110. fig. D (1779).

Fabricius, Syst. Ent. p. 473. n. 130 (1775); *Sp. Ins.* pp. 40, 44, n. 165, 184 (1781); *Mant. Ins.* pp. 18, 20, n. 188, 208 (1787); *Ent. Syst.* iii. pp. 188, 196, n. 581, 609 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The type specimen of *P. Rhodope* is in the Banksian Collection in the British Museum. Donovan's figure is not particularly good, although copied from the well-coloured figure in Jones's 'Icones.' The species figured as *P. Poppea* at pl. 54 of the second volume is an *Eronia*, and has nothing to do with the Cramerian *P. Poppea*.

5. Pieris Chloris.

Papilio (D. C.) Chloris, *Fabricius*, "alis rotundatis, integerrimis, albis, apice nigris; posticis subtus fulvis, margine late nigro: habitat in Sierra Leon." *Drury, Ill.* iii. pl. 32. figs. 3, 4 (1782).

Fabricius, Syst. Ent. p. 473. n. 129 (1775); *Sp. Ins.* p. 44. n. 183 (1781); *Mant. Ins.* p. 20. n. 207 (1787); *Ent. Syst.* iii. p. 195. n. 608 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The type specimen of *P. Chloris* is in the Banksian Collection in the British Museum. Cramer figures the female under the name of *P. Thermopyle* (Pap. Exot. iii. pl. 207. figs. F, G).

6. Pieris Brassicæ.

Papilio (D. C.) Brassicæ, *Linnæus*, "alis integerrimis, rotundatis, albis; anticis maculis duabus apicibusque nigris; major: habitat ....."

Fabricius, *Syst. Ent.* p. 468. n. 110 (1775); *Sp. Ins.* p. 38. n. 161 (1781); *Mant. Ins.* p. 18. n. 183 (1787); *Ent. Syst.* iii. p. 186. n. 574 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

There are two discoloured specimens of *P. Brassicæ* in the Banksian Collection in the British Museum.

7. Pieris Rapæ.

Papilio (D. C.) Rapæ, *Linnæus*, "alis integerrimis; anticis maculis duabus apicibusque nigris; minor: habitat ....."

Fabricius, *Syst. Ent.* p. 469. n. 111 (1775); *Sp. Ins.* p. 39. n. 162 (1781); *Mant. Ins.* p. 18. n. 184 (1787); *Ent. Syst.* iii. p. 186. n. 575 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

There is one specimen of *P. Rapæ* in the Banksian Collection in the British Museum.

8. Pieris Napi.

Papilio (D. C.) Napi, *Linnæus*, "alis integerrimis, albis, subtus venis dilatatis, virescentibus: habitat ....."

Fabricius, *Syst. Ent.* p. 469. n. 112 (1775); *Sp. Ins.* p. 39. n. 163 (1781); *Mant. Ins.* p. 18. n. 185 (1787); *Ent. Syst.* iii. p. 187. n. 576 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

There are two broken specimens of *P. Napi* in the Banksian Collection in the British Museum.

9. Pieris Zeuxippe.

♀. Papilio (P. D.) Cassida, *Fabricius* [P. Zeuxippe, var., *Cramer*], "alis integerrimis, albis, anticis margine exteriore nigro venoso, postico nigro, flavo punctato: habitat in India orientali." *Pap. Exot.* iv. pl. 362. figs. E, F (1782).

Fabricius, *Ent. Syst.* suppl. p. 427. n. 595, 596 (1798).

♂ ♀, Barrackpore (presented 1861, by Sir John Hearsey, collected by himself); ♂, Malva, Bengal (collected by Capt. Boys, obtained 1852). B.M.

This seems to be a variable species; it comes near to *P. Evagete* of Cramer (*P. Phryne*, Fabr.). Mr. Doubleday, in his MS., remarks that *P. Eleonora*, Boisd., is the *P. Phryne* of Jones's 'Icones;' but, since Fabricius first described the species in the 'Systema Entomologiæ,' and was in the habit of naming Jones's drawings from memory,

too much faith ought not to be placed in the correctness of Jones's names, especially where his figures do not agree with the Fabrician descriptions. *P. Hira* of Moore (Proc. Zool. Soc. p. 490. n. 22. pl. 31. fig. 17: 1865) seems to agree with *P. Cassida*.

10. Pieris Phryne.

Papilio (D. C.) Phryne, Fabricius, "alis integerrimis, albis, margine nigro; posticis subtus flavis:" "alæ subtus nigro venosæ; anticæ albæ, margine antico flavo, posticæ flavæ, margine omni nigro: habitat in America."

Fabricius, Syst. Ent. p. 473. n. 131 (1775).

Ceylon. (Obtained 1853) B.M.

This is evidently the species subsequently described and figured by Cramer under the name of *P. Evagete*; and in the 'Ent. Syst.' Fabricius quotes Cramer's figure "*P. Evergete*, pl. 231" (sic), the insect being, however, represented at pl. 221. figs. F, G. In the 'Genera of Diurnal Lepidoptera' Mr. Doubleday quotes Cramer's *P. Lyncida* and *P. Hippo* as synonyms of *P. Phryne*, an error which he probably fell into from an examination of the specimen (labelled "*P. Phryne*?") in the Banksian Collection, and which comes close to *P. Andrea*, Esch.

11. Pieris Nerissa.

♂. Papilio (D. C.) Nerissa, *Fabricius*, "alis integerrimis, rotundatis, albis, margine nigro; subtus nigro venosis: habitat in China." P. Amasine, *Cramer, Pap. Exot.* i. pl. 44. fig. A (1776).

♀. Papilio (D. C.) Coronnis (*sic*), *Fabricius* [P. Coronis, *Cramer*], "alis integerrimis, nigro venosis, supra albis, subtus virescentibus: habitat in China." *Pap. Exot.* i. pl. 44. figs. B, C (1776).

Fabricius, Syst. Ent. p. 471. n. 123 (1775); *Sp. Ins.* pp. 42, 45, n. 176, 193 (1781); *Mant. Ins.* pp. 19, 21, n. 199, 218 (1787); *Ent. Syst.* iii. pp. 192, 198, n. 595, 619 (1793).

China. (Obtained 1853, collected by Mr. Harrington) B.M.

Fabricius describes *P. Nerissa* as black-veined on the underside; this description, however, only applies to the front wings, for Cramer remarks that the streaking of the under surface is similar to that of *P. Coronis*, only rather paler; this description also agrees with our Hong-Kong specimens. In his 'Ent. Syst.' Fabricius quotes Cramer's *P. Amasine* for his species, and there can be little doubt that he is right; the description given above certainly agrees much better with it than with the butterfly recognized as *P. Nerissa* by Mr. Wallace in his paper on Indian *Pieridæ*. Fabricius quotes his 'Gen. Insectorum' for the typical description of *P. Coronis*; but this is an error. In Jones's unpublished 'Icones,' the female of Cramer's *P. Mesentina* is figured as *P. Nerissa*; but Fabricius would never have omitted to describe the large black spot on the anterior, and the submarginal white spots on the posterior wings,

12. **Pieris Judith.**

Papilio (D. C.) Judith, *Fabricius*, "alis integerrimis, subconcoloribus; anticis albis, venis margineque nigris, posticis fulvis, margine nigro; habitat in Pulicandor." *Donovan, Ins. Ind.* pl. 27. fig. 2 (1800).

Fabricius, Mant. Ins. p. 22. n. 230 (1787); *Ent. Syst.* iii. p. 202. n. 632 (1793).

♂ ♀, Java. (Presented by the Hon. East-India Comp.) B.M.

The type specimen of *P. Judith* is in the Banksian Collection in the British Museum.

13. **Pieris Licea.**

Papilio (D. C.) Licea, *Fabricius*, "alis rotundatis, integerrimis, concoloribus extimo nigris; anticis albis, posticis flavis:" "posticæ flavæ, margine tenuissime nigro et ante marginem parum fulvæ: habitat in Africa æquinoctiali."

Fabricius, Mant. Ins. p. 20. n. 210 (1787).

In his 'Entomologia Systematica' Fabricius sinks this species as a synonym of *P. Judith*; it seems much more likely, however, that it belongs to the *P. Lea* type of the same group. We have an example of Vollenhoven's *P. Amalia*, in which the hind wings are feebly tinted with saffron; and this colour, a little more pronounced, would give us an insect answering exactly to the Fabrician description. In Mr. Doubleday's MS. notes to the 'Spécies Général' the *P. Licea* of Jones's 'Icones' is stated to be the same as *P. Flippantha*; but in such case the *P. Licea* described by Fabricius is not the insect figured by Mr. Jones, as seems often to be the case.

14. **Pieris Creona.**

Papilio (D. C.) Helcita (part.), *Fabricius* [P. Creona, *Cramer*], "alis integris, rotundatis, albis, margine albo, striga punctorum: habitat in India orientali." *Seba, Mus.* iv. pl. 18. figs. 8, 9; and *Cramer, Pap. Exot.* iv. pl. 95. figs. C, D (1779).

Fabricius, Syst. Ent. p. 475. n. 141 (1775); *Sp. Ins.* p. 42. n. 175 (1781).

"margine nigro," *Fabricius, Mant. Ins.* p. 19. n. 198 (1787).

"(P. D.) Cneora" (*sic*), *Fabricius, Ent. Syst.* iii. p. 191. n. 594 (1793).

Senegal. (Obtained from Herr J. J. Becker) B.M.

Fabricius, in his 'Syst. Ent.,' confounded the red moth described by Linnæus (and figured by Clerck, Drury, and others) with the white butterfly figured by Seba. There is one specimen of *P. Creona* in the Banksian Collection in the British Museum.

15. **Pieris Calypso.**

♀. Papilio (D. C.) Calypso, *Drury*, "alis rotundatis, integerrimis, albis; anticis puncto apiceque nigris; posticis subtus flavescentibus,

margine nigro punctato: habitat in Sierra Leon." *Ill.* ii. pl. 17. figs. 3, 4 (1773).

Fabricius, Syst. Ent. p. 471. n. 121 (1775); *Sp. Ins.* p. 41. n. 173 (1781); *Mant. Ins.* p. 19. n. 196 (1787); *Ent. Syst.* iii. p. 191. n. 592 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

There are two specimens of *P. Calypso* in the Banksian Collection in the British Museum.

16. **Pieris Teutonia.**

Papilio (D. C.) Teutonia, *Fabricius*, "alis integerrimis, rotundatis, albis; posticis subtus nigro venosis, flavo maculatis: habitat in Nova Hollandia." *Donovan, Ins. New Holland*, pl. 17. fig. 1 (1805).

Fabricius, Syst. Ent. p. 474. n. 137 (1775).

New Holland. (Presented 1844, by the Haslar Hospital, collected by — Bynce, Esq., Surgeon, R.N.) B.M.

The type specimen of *P. Teutonia* is in the Banksian Collection in the British Museum.

17. **Pieris Coronea.**

Papilio (D. C.) Coronea, *Cramer*, "alis integerrimis, albis, margine nigris, subtus atris, basi fulvo radiatis: habitat Surinami." *Pap. Exot.* i. pl. 68. figs. B, C (1779).

Fabricius, Sp. Ins. pp. 46, 47, n. 196, 201 (1781); *Mant. Ins.* p. 21. n. 221, 226 (1787); *Ent. Syst.* iii. pp. 199, 201, n. 622, 628 (1793).

Java. (From Mr. Children's sale) B.M.

This species is the *P. Teutonia* of the 'Species Insectorum;' Fabricius quotes Sulzer's figure (Hist. Ins. pl. 15. fig. 9); it is also the *P. Deiopea* of Donovan (Ins. New Holland, pl. 21. fig. 2: 1805).

18. **Pieris Mesentina.**

Papilio (D. C.) Aurota, *Fabricius* [P. Mesentina, *Cramer*], "alis integerrimis, albis; margine nigro, albo maculato; posticis subtus flavis: habitat in Coromandel." *Pap. Exot.* iii. pl. 270. figs. A, B (1782).

Fabricius, Ent. Syst. iii. p. 197. n. 614 (1793).

India. (Presented 1847, by Sir John Hearsey) B.M.

Obtained by Capt. Lang "at Kussowlie, 6000 feet elevation, on the first plainwards range of the Himalayas" (see P. Z. S. 1865). The larva, according to Mr. A. Grote, feeds upon *Zizyphus* and on *Capparis sepiaria* (P. Z. S. 1865).

19. **Pieris Daplidice.**

Papilio (D. C.) Daplidice, *Linnæus*, "alis integris, rotundatis, albis,

margine fuscis; subtus luteo-griseis, albo maculatis: habitat in Europa australi et Africa." *Linn.*

Papilio (D. C.) Edusa, *Fabricius*, "alis rotundatis, integerrimis, albis, fusco maculatis, posticis subtus virescentibus, albo maculatis: habitat Chilonii" (*sic*) (? Chilloni).

Fabricius, Syst. Ent. p. 471. n. 122 (1775); *Gen. Ins.* p. 255. n. 126, 127 (1776); *Sp. Ins.* p. 41. n. 174 (1781); *Mant. Ins.* p. 19. n. 197 (1787).

Germany. (Obtained from Herr J. J. Becker) B.M.

Observed by Capt. Lang "in considerable numbers, flying about the village-fields of cereals and turnips, in the villages on the Spiti River, Leo, Chango, Shiálkur, &c., and in the Chinese frontier village of Shipkee" (see P. Z. S. 1865).

There are two specimens of *P. Daplidice* in the Banksian Collection in the British Museum. *P. Daplidice* of the 'Ent. Syst.' is the *P. Hellica* of Linnæus.

20. Pieris Hellica.

Papilio (D. C.) Hellica, *Linnæus*, "alis albis, primoribus macula apiceque albo punctato nigris, posticis subtus cinereo venosis: habitat ad Cap. bon. spei." P. Daplidice, *Fabricius, Ent. Syst.* iii. p. 191. n. 593 (1793); and *Cramer, Pap. Exot.* ii. pl. 171. figs. C, D (1779).

Var. Papilio (D. C.) Raphani, *Esper*, "alis rotundatis, integerrimis, albis, apice nigris albo maculatis; posticis subtus nigro venosis flavo pulverulentis: habitat in Russia australiore." *Eur. Schmett.* i. pt. 2. pl. 84. fig. 3 (1777).

Fabricius, Syst. Ent. p. 470. n. 113 (1775); *Mant. Ins.* p. 18. n. 187 (1787); *Ent. Syst.* iii. p. 188. n. 579 (1793).

Knysna, South Africa. (Presented 1859, by Roland Trimen, Esq., collected by the donor) B.M.

This species differs from the Linnean description in having the grey veins of the under surface surrounded with yellow. In the Banksian Collection in the British Museum the *P. Mesentina* of Cramer is queried as the Linnean species; Mr. Trimen, however, assures me that the yellow-blotched insect is the true *P. Hellica*. Esper's figure is made from a drawing of the species in the collection of Prof. Boeber.

According to Messrs. Trimen and D'Urban this is a very abundant insect, and may be obtained all the year round; it occurs in open ground, fields, hillsides, gardens, &c., and, being a weak flier, may be easily taken (see Rhop. Afr. Austr. p. 40).

Genus 2. THYCA, *Wallengren*.

1. Thyca Paulina.

♀. Papilio (P. D.) Paullina (*sic*), *Fabricius* [P. Paulina, *Cramer*], "alis rotundatis, integerrimis, albis; margine nigro, subtus anticis ma-

cula flava baseos, posticis immaculatis: habitat in India orientali." *Pap. Exot.* ii. pl. 110. figs. E, F (1779).

Fabricius, Ent. Syst. iii. p. 189. n. 583 (1793).

Ceylon. (Presented 1848, by Dr. Kelaart) B.M.

2. Thyca Melania.

Papilio (D. C.) Melania, *Fabricius*, "alis rotundatis, integerrimis, albidis, apice nigris; posticis subtus obscure glaucis: habitat in Nova Hollandia." *Donovan, Ins. New Holland*, pl. 17. fig. 2 (1805).

Fabricius, Syst. Ent. p. 475. n. 140 (1775); *Sp. Ins.* p. 47. n. 202 (1781); *Mant. Ins.* p. 21. n. 227 (1787); *Ent. Syst.* iii. p. 201. n. 629 (1793).

This species is not in the British-Museum collection; but fortunately the type still exists in the Banksian Collection in the British Museum. Mr. Hewitson, in his criticism upon Mr. Wallace's paper (Ent. Trans. p. 99, 1868), has given a brief description taken from this type. The nearest allies of the species are the *P. Paulina* of Cramer and the *P. Nysa* of Fabricius. Donovan's figure is by no means characteristic.

3. Thyca Nysa.

Papilio (D. C.) Nysa, *Fabricius*, "alis rotundatis, integerrimis, albis; posticis subtus fuscis, puncto albo lunulisque sex flavis: habitat in Nova Hollandia." ♀, P. Endora, *Donovan, Ins. New Holland*, pl. 20. fig. 2 (1805).

Fabricius, Syst. Ent. p. 473. n. 128 (1775); *Sp. Ins.* p. 43. n. 182 (1781); *Mant. Ins.* p. 20. n. 206 (1787); *Ent. Syst.* iii. p. 195. n. 606 (1793).

New Holland. (From J. Hunter, Esq.) B.M.

The type specimen of *P. Nysa* is in the Banksian Collection in the British Museum.

4. Thyca Cæneus.

♀. Papilio (D. F.) Cæneus, *Linnæus* [P. Ceneus (*sic*) *in Mus. Lud. Ulr.*], "alis integerrimis, subfuscis; posticis subtus orbe macularum novem rubro: habitat in Indiis." ♂, P. Plexaris, *Donovan, Ins. New Holland*, pl. 18. fig. 2 (1805).

Fabricius, Syst. Ent. p. 481. n. 168 (1775); *Sp. Ins.* p. 54. n. 239 (1781).

P. Cinæus (*sic*), *Fabricius, Mant. Ins.* p. 27. n. 277 (1787).

P. Cenæus (*sic*), *Fabricius, Ent. Syst.* p. 47. n. 144 (1793).

Ceram. (Obtained 1855, collected by Madame Ida Pfeiffer) B.M.

This species has been compared with *P. Cenea*, Stoll, *Euchloë Cæneos*, Hübner, and *Laurion Cænea*, Drury, but proves to be nothing more than a variety of the well-known *Thyca* from Amboina.

5. **Thyca nigrina.**

Papilio (D. C.) nigrina, *Fabricius*, "alis integerrimis, rotundatis, albidis, apice nigris; subtus nigris; posticis striga flexuosa, sanguinea: habitat in Nova Hollandia." *Donovan, Ins. New Holland*, pl. 19. fig. 1 (1805).

Fabricius, Syst. Ent. p. 475. n. 139 (1775); *Sp. Ins.* p. 46. n. 198 (1781); *Mant. Ins.* p. 21. n. 223 (1787); *Ent. Syst.* iii. p. 200. n. 625 (1793).

Sydney, Australia. (Obtained 1858, collected by Mr. E. Damel) B.M.

The type specimen is in the Banksian Collection in the British Museum.

6. **Thyca Argenthona.**

Papilio (D. C.) Argenthona, *Fabricius*, "alis rotundatis, integerrimis, albis, limbo atro flavo maculato; posticis flavis, apice atris, fascia maculari rufa: habitat . . . . ."

Fabricius, Ent. Syst. iii. p. 200. n. 624 (1793).

New Holland. (Presented 1844, by the Haslar Hospital, collected by — Bynce, Esq., Surgeon, R.N.) B.M.

Mr. Doubleday, in his MS. notes to the 'Spécies Général,' remarks that *P. Protocharis*, Boisd., is the "same as *P. Argenthona*."

7. **Thyca Mysis.**

Papilio (D. C.) Mysis, *Fabricius*, "alis integerrimis, rotundatis, albis; posticis subtus margine atro, fascia sanguinea: habitat in Nova Hollandia." *Donovan, Ins. New Holland*, pl. 21. fig. 1 (1805).

Fabricius, Syst. Ent. p. 475. n. 138 (1775); *Sp. Ins.* p. 46. n. 197 (1781); *Mant. Ins.* p. 21. n. 222 (1787); *Ent. Syst.* iii. p. 200. n. 623 (1793).

Australia. (Obtained from the Voyage of H.M.S. 'Rattlesnake,' collected by Mr. Macgillivray) B.M.

The type specimen, much shattered, is still in the Banksian Collection in the British Museum.

8. **Thyca Eucharis.**

Papilio (D. C.) Hyparete (part.), *Fabricius* [nec *Linnæus*]. P. Eucharis, *Drury, Ill.* ii. pl. 10. figs. 5, 6 (1773).

Fabricius, Syst. Ent. p. 474. n. 156 (1775).

Nepal. (Presented 1867, by Dr. Wright of the British Museum) B.M.

There are two specimens of *P. Eucharis* (probably the Fabrician types) in the Banksian Collection in the British Museum.

9. Thyca Hyperate.

Papilio (D. C.) Hyparete (part.), *Fabricius* [P. Hyperate, *Linnæus, M. L. U.*], "alis integerrimis, rotundatis, albis; posticis subtus venis nigris maculisque sanguineis: habitat in Indiis." P. Hyparete, *Clerck, Icon.* pl. 38. fig. 2 nec 3 (1764).

Fabricius, Syst. Ent. p. 474. n. 156, part. (1775).

Local form. Papilio (D. C.) Hyparete (part.), *Fabricius* [P. Antonoë, *Cramer*], "alis integerrimis, albis, nigro venosis, posticarum subtus flavis, margine rubro maculato: habitat in Indiæ orientalis *Lorantho*." *Pap. Exot.* ii. pl. 187. figs. C, D (1779).

Fabricius, Sp. Ins. p. 45. n. 194 (1781); *Mant. Ins.* p. 21. n. 219 (1787); *Ent. Syst.* iii. p. 178. n. 554 (1793).

P. Hyparete, Sumatra. (Obtained 1855, from Mr. Stevens.)
Var. P. Antonoë, Assam. (Obtained 1848, from Mr. Warwick) B.M.

Donovan's *P. Hyparete* (Ins. China, pl. 30. fig. 3), though said to come from Canton, agrees with the Philippine race (*P. Luzoniensis*, Felder).

10. Thyca Egialea.

Papilio (D. F.) Eyjaleus (*sic*), *Fabricius* [P. Egialea, *Cramer*], "alis integris, nigris, albo maculatis; posticis subtus disco flavo fasciaque baseos sanguinea: habitat in Siam." *Pap. Exot.* ii. pl. 189. figs. D, E (1779).

Java. (Obtained from Mrs. Henry) B.M.

11. Thyca Pasithoë.

Papilio (P.) Pasithoë, *Linnæus*, "alis rotundatis, nigris, albo subradiatis, puncto centrali albo; posticis subtus luteis, basi cruentatis: habitat in India." *Donovan, Ins. China*, pl. 30. fig. 2 (1798).

Fabricius, Syst. Ent. p. 467. n. 104 (1775).

Silhet. (Obtained 1845, from Mr. Stainsforth) B.M.

Local race. Papilio (P. P.) Pasithoë (part.), *Fabricius* [P. Porsenna, *Cramer*], "alis rotundatis, nigris, albo subradiatis, puncto centrali albo:" "alæ posticæ subtus sulphureæ, margine venisque nigris et basi sanguineæ: habitat in India." *Pap. Exot.* i. pl. 43. figs. D, E (1776?).

♂, *Fabricius, Sp. Ins.* p. 37. n. 154 (1782); ♀, *Mant. Ins.* p. 17. n. 176 (1787); *Ent. Syst.* iii. p. 179. n. 555.

♂, Borneo. (Obtained 1856, from Capt. Brooke) B.M.

There are two worn specimens of *P. Pasithoë* in the Banksian Collection in the British Museum. Cramer's specimens of *P. Porsenna* are said to be from Batavia; we have the male only from Borneo; the form seems to be tolerably well marked.

12. **Thyca Belladonna.**

Papilio (P. H.) Belladonna, *Fabricius*, " alis oblongis, integerrimis, atris; anticis hyalino punctatis, posticis flavo maculatis: habitat ....." *Donovan, Nat. Rep.* i. pl. 35 (1823).

Fabricius, Ent. Syst. iii. p. 180. n. 557 (1793).

The true *P. Belladonna* is not in the British-Museum collection. Mr. Doubleday, in his MS. notes, observes that it is " identical with *P. Horsfieldii*."

According to A. E. Russell, this species affects the " valleys of the lower hills " (see P. Z. S. 1865).

Genus 3. DAPTONOURA, gen. nov.

Genus *Thycæ* affine nervulis autem duobus ante cellæ alarum anticarum finem emissis, forma cellæ discoidalis a *Tachyride* dissimilis; abdomine maris uncis duobus perlongis terminato.

This genus will include the South-American group to which *P. Lycimnia, P. Salacia,* and allies belong. Although the form of the front-wing cell is very like that of *Thyca* in form, it emits two subcostal branches before its termination. This group could not be associated with the African *P. Severina*, since it not only differs entirely in the form of the wings, but in venation; the male anal hooks, too, in *P. Severina* are scarcely visible, whilst in the *P. Lycimnia* males they are most prominent. To those who object to the use of a lens for the determination of generic distinctions, this group has the advantage of being a good genus to the eye. The typical species is the *P. Lycimnia* of Cramer.

1. **Daptonoura Lycimnia.**

♀. Papilio (D. C.) Flippantha, *Fabricius* [P. Lycimnia, *Cramer*], " alis rotundatis, integris; anticis albis, macula apiceque nigris, posticis flavis, apice subtus brunneis: habitat ....." *Pap. Exot.* ii. pl. 105. figs. E, F (1779).

Fabricius, Ent. Syst. iii. p. 202. n. 631 (1793).

♀, Brazil. (Obtained from Mr. Bullock) B.M.

According to Mr. Bates, inhabits only the shades of the forest, and is of a slow feeble flight (see Journ. Entom. December 1861).

The marginal spots upon the upper surface of the hind wings vary much, and in our specimen are very much obscured. Mr. Doubleday, in his MS., remarks that the *P. Flippantha* of Fabricius is the *P. Limnoria* of Boisduval (Sp. Gén. Lép. p. 488. n. 75). This species is figured in Jones's unpublished ' Icones.'

Genus 4. TACHYRIS, *Wallace*,

Trans. Ent. Soc. Lond. iv. s. 3. part 3. p. 361 (1867).

1. **Tachyris Nero.**

Papilio (N.) Nero, *Fabricius*, " alis integerrimis, sanguineis, mar-

gine fuscescente, posticis subtus aurantiis: habitat in Asia." *Donovan, Ins. Ind.* pl. 32. fig. 1 (1800).

Fabricius, Ent. Syst. iii. p. 153. n. 471 (1793).

Java. B.M.

2. Tachyris Liberia.

Papilio (D. F.) Liberius, *Fabricius* [P. Liberia, *Cramer*], "alis integerrimis, cæruleis ["plumbeis" in 'Mant. Ins.'], subtus anticis viridibus, posticis fulvis: habitat in Amboina." *Pap. Exot.* iii. pl. 210. figs. G, H (1781).

Fabricius, Sp. Ins. p. 52. n. 229 (1781); *Mant. Ins.* p. 25. n. 264 (1787); *Ent. Syst.* iii. p. 42. n. 126 (1793).

Not in the British-Museum collection. This species is closely allied to the *P. Cycinna* of Hewitson. According to Mr. Doubleday's MS. the *Liberia* of Jones's 'Icones' is allied to *Nica flavilla* of Hübner; this is one of the instances in which these old drawings are not to be depended upon.

3. Tachyris Cneora.

♀. Papilio (D. C.) Cneora, *Fabricius*, "alis rotundatis, albis; anticis fuscis, fascia lata alba: habitat in India orientali."

Fabricius, Ent. Syst. iii. p. 200. n. 626 (1793).

Not in the British-Museum collection.

This species seems to come very near to *P. Andrea* of Eschscholtz. Fabricius, earlier in the 'Ent. Syst.,' has described *Pieris Creona* by mistake under the name of *P. Cneora*; the two insects, however, are evidently quite distinct.

4. Tachyris Libythea.

♀. Papilio (D. C.) Libythea, *Fabricius*, "alis integerrimis, rotundatis, albis, anticis costa baseos apiceque fuscis: habitat in India orientali." *Donovan, Ins. Ind.* pl. 27. fig. 3 (1800).

Fabricius, Syst. Ent. p. 471. n. 120 (1775); *Sp. Ins.* p. 41. n. 172 (1781); *Mant. Ins.* p. 19. n. 195 (1787); *Ent. Syst.* iii. p. 190. n. 591 (1793).

Ceylon. (Obtained 1854, collected by E. L. Layard, Esq.) B.M.

There are two specimens of this species in the Banksian Collection in the British Museum.

5. Tachyris Zelmira.

Papilio (D. C.) Zelmira, *Cramer*, "alis rotundatis, albis, limbo communi fusco; anticis fascia costali alba, posticis subtus striga fusca: habitat in Tranquebaria." *Pap. Exot.* iv. pl. 320. figs. C, D (1782).

Fabricius, Ent. Syst. iii. p. 197. n. 615 (1793).

Not in the National Collection.

The nearest approach to this species in the collection is the *P. Hinda* of Doubleday's 'List.' Mr. Wallace states (Ent. Trans. iv. 3rd ser. p. 364: 1867) that the male is pretty constant, the female very variable; in the British-Museum collection, however, these variations seem pretty equally balanced and tolerably constant to localities, so that it is not improbable that they represent several nearly allied but distinct local races.

6. Tachyris Saba.

Papilio (D. C.) Saba, *Fabricius*, "alis rotundatis, integerrimis, nigris, fascia communi alba: habitat in Africa æquinoctiali." P. Hypatia, *Drury, Ill.* iii. pl. 32. figs. 5, 6 (1782).

Fabricius, Sp. Ins. p. 46. n. 199 (1781); *Mant. Ins.* p. 21. n. 224 (1787); *Ent. Syst.* iii. p. 201. n. 627 (1793).

Sierra Leone. (Obtained 1858, collected by Mr. James Foxcroft) B.M.

The type and a second specimen of *P. Saba* are in the Banksian Collection in the British Museum; Mr. Jones figures the species in his unpublished 'Icones.'

Genus 5. EUTERPE, *Swainson*,

Zool. Ill. ii. ser. 2. p. 74 (1831).

1. Euterpe Sisamnus.

Papilio (D. F.) Sisamnus, *Fabricius*, "alis integerrimis, atris, albo punctatis, fascia communi alba anticarum abbreviata: habitat ....." E. Pitana, *Felder, Reise der Novara*, ii. pl. 23. figs. 9, 10 (1866).

Fabricius, Ent. Syst. iii. p. 44. n. 131 (1793).

Rio Napo (obtained 1851, from Mr. Stevens); Villa Nova (collected 1855, by H. W. Bates); Nauta (collected 1858, by M. Degand). B.M.

After determining this species from description, it was suggested that Fabricius was extremely unlikely to have obtained a *Euterpe* occurring in such out-of-the-way localities; however, in Mr. Salvin's copy of Boisduval's 'Spécies Général' (formerly the property of E. Doubleday, Esq.), there is a pencil sketch of this particular insect traced from Jones's 'Icones,' accompanied by a note in Mr. Doubleday's handwriting, and a brief description of the details of colouring, &c. It runs thus:—"An Euterpe. Black, band and dots white; below with band yellowish and a row of cuneiform dots on outer margin of anterior wings; six red dots at base of front wings." *P. Sisamnus*, Fabr., *E. Telasco*, Lucas, and *E. Pitana*, Felder, are one species; the Fabrician type was probably from the coast of Panama, whence Mr. Salvin has specimens.

2. Euterpe Bellona.

Papilio (H.) Brassolis, *Fabricius* [P. Bellona, *Cramer*], "alis oblongis, integris, fuscis; anticis flavo maculatis, posticis subtus sanguineo radiatis: habitat Surinami." *Pap. Exot.* i. pl. 13. figs. E, F (1775).

Fabricius, Gen. Ins. p. 254. n. 81, 82 (1776); *Sp. Ins.* p. 30. n. 121 (1781); *Mant. Ins.* p. 14. n. 140 (1787); *Ent. Syst.* iii. p. 168. n. 520 (1793).

There is a species nearly allied to this in the British-Museum collection; it, however, is destitute of the subapical yellow spot on the fore wings.

Genus 6. ERONIA, *Boisduval*,

Suit. Buff. i. p. 604 (1836).

1. Eronia Iphigenia.

Papilio (D. C.) Iphigenia, *Fabricius*, "alis integerrimis, albis, apice atris; posticis subtus flavescentibus, fascia media atra, striga abbreviata, fulva: habitat Surinami." *Walch, Naturforscher*, part 9. p. 108, pl. 2. figs. 8, 9 (1776).

Papilio (D. C.) Pyrrha, *Cramer*, "alis integerrimis, albis, posticis subtus atris, striga flava rubraque fasciaque alba: habitat Surinami." *Pap. Exot.* i. pl. 63. figs. A, B (1779).

Fabricius, Gen. Ins. p. 256. n. 136, 137 (1776); *Sp. Ins.* p. 46. n. 195, 200 (1781); *Mant. Ins.* p. 21. n. 220, 225 (1787); *Ent. Syst.* iii. p. 199. n. 621 (1793).

According to Mr. Bates, inhabits the shades of the forest; the males, however, are found in open places, and resort to the moist margins of puddles and streams (see Journ. Entom. December 1861).

This species is figured by Donovan, Nat. Rep. iii. pl. 84 (1825).

2. Eronia Demophile.

♀. Papilio (D. C.) Demophile, *Linnæus*, "alis rotundatis, albis, fasciis duabus margineque fuscis; posticis subtus subincarnatis: habitat in India." *Clerck, Icon.* pl. 28. fig. 4 (1764).

♂. Papilio (D. C.) Amathonte. *Cramer*, "alis rotundatis, albis, apice nigris, posticis subtus margine brunneo: habitat in America meridionali." *Pap. Exot.* ii. pl. 116. figs. A, B (1779).

♀, *Fabricius, Syst. Ent.* p. 472. n. 124 (1775); ♂ ♀, *Sp. Ins.* pp. 41, 42, n. 170, 177 (1781); *Mant. Ins.* p. 19. n. 193, 200 (1787); *Ent. Syst.* iii. pp. 190, 192, n. 589, 596 (1793).

Pernambuco. (Presented by Mrs. J. P. G. Smith) B.M.

Mr. Bates has taken this species upon the banks of the Tocantins, Tapajos, and Lower Amazons (Journ. Entom. 1861).

3. Eronia Argia.

Papilio (D. C.) Argia, *Fabricius*, "alis integerrimis, rotundatis,

albis; anticis apice nigris: habitat in Sierra Leon." P. Cassiopea, *Cramer, Pap. Exot.* iii. pl. 201. fig. A (1781).

Fabricius, Syst. Ent. p. 470. n. 116 (1775); *Sp. Ins.* p. 41. n. 169 (1781); *Mant. Ins.* p. 19. n. 192 (1787); *Ent. Syst.* iii. p. 190. n. 587 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The type specimen of *P. Argia* is in the Banksian Collection in the British Museum.

4. Eronia Hippia.

♂. Papilio (N. P.) Hippia, *Fabricius*, "alis repandis, virescenti-albis, venis limboque nigris: habitat in Pulicandor." *Donovan, Ins. Ind.* pl. 25. fig. 1 (1800).

Var. ♀. Papilio (F.) Philomela, *Fabricius*, "alis repandis, nigris, albo maculatis; posticis basi flavo radiatis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 25. fig. 3 (1800).

♂, *Fabricius, Mant. Ins.* p. 55. n. 545 (1787); ♂ ♀, *Ent. Syst.* iii. pp. 57, 59, n. 179, 185 (1793).

North India. (♂ obtained 1843, ♀ presented by Colonel Buckley) B.M.

The types of *P. Hippia* and *P. Philomela*, with one specimen of *P. Valeria*, Cramer, are in the Banksian Collection of the British Museum.

Genus 7. IPHIAS, *Boisduval*,
Suit. Buff. i. p. 595 (1836).

1. Iphias Leucippe.

♂. Papilio (D. C.) Leucippe, *Cramer*, "alis integerrimis, fulvis; posticis supra flavis: habitat in India orientali." *Pap. Exot.* i. pl. 36. figs. A–C (1775).

Fabricius, Gen. Ins. p. 256. n. 132, 133 (1776); *Sp. Ins.* p. 44. n. 189 (1781); *Mant. Ins.* p. 20. n. 214 (1787); *Ent. Syst.* iii. p. 198. n. 617 (1793).

Amboina. (Obtained 1859, collected by A. R. Wallace, Esq.) B.M.

In his 'Mantissa' Fabricius altered his description to "anticis rubris, margine nigro, posticis flavis." *P. Leucippe* is figured by Donovan (Ins. Ind. pl. 26. fig. 1).

2. Iphias Glaucippe.

♂. Papilio (D. C.) Glaucippe, *Linnæus*, "alis integerrimis, rotundatis, albis; anticis apice nigris, posticis subtus cinereis* fusco undatis: habitat in Asia." *Clerck, Icones*, pl. 35. fig. 1 (1764); *Donovan, Ins. China*, pl. 31. fig. 1 (1798).

* The word "cinereus" in the Fabrician descriptions generally stands for yellow-ochre.

♀. Papilio (D. C.) Callirrhoë, *Fabricius*, "alis integris, albis; anticis apice, posticis margine punctisque sex nigris: habitat in Asia."

Fabricius, Syst. Ent. pp. 473, 474, n. 133, 134 (1775); *Sp. Ins.* p. 45. n. 190, 191 (1781); *Mant. Ins.* pp. 20, 21, n. 215, 216 (1787); *Ent. Syst.* iii. p. 198. n. 618 (1793); *Ent. Syst.* suppl. p. 427. n. 617, 618 (1798).

♂, Java; ♀, China. (Presented by the Hon. East-India Comp.) B.M.

There are two male specimens of *P. Glaucippe* in the Banksian Collection in the British Museum.

Genus 8. EUCHLOË, *Hübner*,

Verz. bek. Schmett. p. 94 (1816).

1. Euchloë Genutia.

Papilio (D.) Genutia, *Fabricius*, "alis falcatis, integerrimis, albis, anticis apice fulvis, posticis viridi marmoratis: habitat in India." *Donovan, Ins. Ind.* pl. 27. n. 5 (1793).

Fabricius, Ent. Syst. iii. p. 193. n. 601 (1793).

Illinois, United States. (From Bracy Clark, Esq.) B.M.

2. Euchloë Belia.

♀. Papilio (D. C.) Belia, *Linnæus*, "alis integerrimis, albis; posticis subtus griseo subfasciatis: habitat in Barbaria."

♂. Papilio (D. C.) Eupheno, *Linnæus*, "alis integerrimis, rotundatis, flavis, primoribus apice (medio fulvo) nigris; posticis subtus strigis tribus fuscis: habitat in Barbaria." A. Douei, *Pierret*.

♀, *Fabricius, Mant. Ins.* p. 23. n. 241 (1787); ♂ (part.), ♀, *Ent. Syst.* iii. p. 206. n. 644, 645 (1793).

♂ ♀, Tangier. (Presented 1868, by T. Blackmore, Esq., collected by himself) B.M.

The *P. Eupheno* of Hübner (from Germany, Spain, and Gibraltar) differs chiefly from the Linnæan species in having the under surface of the hind wings yellow, marbled with olive-green and white; it is the *E. Calleuphenia* of Butler.

3. Euchloë Cardamines.

Papilio (D. C.) Cardamines, *Linnæus*, "alis rotundatis, integerrimis, albis; posticis subtus viridi marmoratis: habitat . . . ."

Fabricius, Syst. Ent. p. 472. n. 126 (1775); *Sp. Ins.* p. 43. n. 179 (1781); *Mant. Ins.* p. 20. n. 203 (1787); *Ent. Syst.* iii. p. 193. n. 600 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

There is a pair of *E. Cardamines* in the Banksian Collection in the British Museum.

4. Euchloë Crameria.

Papilio (D. C.) Belia, *Fabricius* (part.), *Cramer, Pap. Exot.* iv. pl. 397. figs. A, B (1782). E. Crameria, *Butler, in Ent. Month. Mag.* (1869).

Fabricius, Ent. Syst. (part.), p. 206. n. 645 (1793).

Germany? (Obtained from Herr J. J. Becker) B.M.

5. Euchloë Eucharis.

Papilio (D. C.) Eucharis, *Fabricius*, "alis rotundatis, integerrimis, albis; anticis apice fulvis, margine nigro, posticis immaculatis: habitat in India orientali."

Fabricius, Syst. Ent. p. 472. n. 127 (1775); *Sp. Ins.* p. 43. n. 181 (1781); *Ent. Syst.* iii. p. 195. n. 605 (1793).

Ceylon. (Presented 1852, by Dr. R. Templeton, collected by Mrs. Templeton) B.M.

There is one broken specimen of *E. Eucharis* in the Banksian Collection in the British Museum; Donovan's figure (Ins. Ind. pl. 27. fig. 4) is not characteristic.

6. Euchloë Evippe.

Papilio (D. C.) Evippe, *Linnæus*, "alis integerrimis, rotundatis, flavescentibus; anticis apice nigris; posticis subtus albis: habitat in Asia." *Clerck, Icon.* pl. 40. fig. 64 (1759).

Fabricius, Syst. Ent. p. 474. n. 135 (1775); *Sp. Ins.* p. 45. n. 192 (1781); *Mant. Ins.* p. 21. n. 217 (1787); *Ent. Syst.* iii. p. 205. n. 640 (1793).

Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M

There are two broken specimens of *P. Evippe* in the Banksian Collection in the British Museum.

7. Euchloë Danaë.

Papilio (D. C.) Danaë, *Fabricius*, "alis rotundatis, albis; anticis apice croceis, margine fasciaque nigris, subtus striga moniliformi, abbreviata: habitat in India orientali." *Cramer, Pap. Exot.* iv. pl. 352. figs. (?C, D,) E, F (1782); *Donovan, Ins. Ind.* pl. 26. fig. 2 (1800).

Fabricius, Syst. Ent. p. 476. n. 144 (1775); *Sp. Ins.* p. 47. n. 205 (1781); *Mant. Ins.* p. 22. n. 233 (1787); *Ent. Syst.* iii. p. 203. n. 635 (1793).

Ceylon. (Obtained 1857, from Mr. Stevens) B.M.

There are two specimens of *P. Danaë* in the Banksian Collection in the British Museum; it is the *P. Eucharis* of the 'Mantissa Insectorum,' p. 20. n. 205 (1787).

Genus 9. THESTIAS, *Boisduval*,

Suit. Buff. i. p. 590 (1836).

1. Thestias Mariannæ.

Papilio (D. C.) Sesia (part.), *Fabricius* [P. Mariannæ, *Cramer*], "alis rotundatis, albis, apice (medio fulvo) nigris; posticis subtus maculis septem ocellaribus albis." *Pap. Exot.* iii. pl. 217. figs. D, E (1782).

Fabricius, Mant. Ins. p. 22. n. 234 (1787).

Ceylon. (Presented 1852, by R. Templeton, Esq., collected by Mrs. Templeton) B.M.

Abundant in the Himalayas, according to Capt. Lang (P. Z. S. 1865).

In Mr. Salvin's copy of the 'Spécies Général' is the following note by Mr. Doubleday:—"*Thestias Mariannæ*, Cr., Jones's Ic.; *P. Sesia*, Fabr. MS." There is a specimen of this species labelled "*P. Sesia*" in the Banksian Collection in the British Museum.

2. Thestias Pyrene.

♀. Papilio (D. C.) Ænippe, *Cramer* [P. Pyrene ♀, *Linnæus*], "alis rotundatis, flavis*, omnibus subtus punctis ocellaribus, anticis sex, posticis septem: habitat in China." *Pap. Exot.* ii. pl. 105. figs. C, D (1779).

Fabricius, Sp. Ins. p. 48. n. 207 (1781); *Mant. Ins.* p. 22. n. 237 (1787); *Ent. Syst.* iii. p. 204. n. 639 (1793).

♂, China (presented 1842, by Mrs. Mason); ♀, Bhotan (presented 1860, by the Hon. East-India Comp.). B.M.

According to Capt. Lang (P. Z. S. 1865) the larva of this species feeds on *Capparis*.

3. Thestias Rhexia. Pl. I. fig. 5 (♀).

♂. Papilio (D. C.) Rhexia, *Fabricius*, "alis rotundatis, integerrimis, albis, apice (medio fulvo) nigris; singulis subtus puncto medio atro: habitat in Sierra Leon."

♀. Papilio (D. F.) Pirithoüs, *Fabricius*, "affinis videtur *P. Niavio*, Linn., alæ anticæ supra fuscæ, fascia media obliqua albicante maculaque alba ad marginem tenuiorem, quæ a disco albo alarum posticarum excipitur; posticæ disco albo, limbo fusco: subtus omnes albidæ, atomis parvis fuscis irroratæ: habitat in America boreali." *Donovan, Nat. Rep.* ii. pl. 54 (1824).

Fabricius, Syst. Ent. pp. 476, 483, n. 145, 179 (1775); *Sp. Ins.* pp. 48, 59, n. 208, 261 (1781); *Mant. Ins.* pp. 23, 28, n. 238, 300 (1787).

As P. Evippe (*syn.*), *Fabricius, Ent. Syst.* iii. p. 205. n. 640 (part.) (1793).

♂, Nepal (presented 1867, by Dr. Wright, of the British Museum); ♀, China. B.M.

* Flavo-albidis.

The type and a second specimen of *P. Rhexia*, and the type of *P. Pirithoüs*, are in the Banksian Collection of the British Museum. This insect, of which the *P. Lèucippe* of Herbst and Jablonsky is a slight variety, came in great numbers from Nepal in 1867, and seems a good and well-established species; the male is readily distinguishable from the other *Thestiades* by having the under surface of the wings destitute of dark irrorations; both sexes are remarkable for their great size, this being the largest species in the genus. The description given by Fabricius of *P. Pirithoüs* would apply equally well to the *Elymnias Bammakoo* of Westwood.

4. **Thestias Sesia.**

♂. Papilio (D. C.) Sesia, *Fabricius*, "alæ anticæ flavissimæ, apice nigræ, macula media fulva; posticæ rotundatæ flavissimæ, margine nigro: habitat in America." *Donovan, Ins. China*, pl. 31. fig. 2 (1798).

Fabricius, Gen. Ins. p. 257. n. 144, 145 (1776); *Sp. Ins.* p. 47. n. 206 (1781); *Ent. Syst.* iii. p. 203. n. 637 (1793).

♀, Bhotan (from Dr. Pemberton, presented by the Hon. East-India Comp.); var. ♂, Almora, Bengal Presidency (obtained 1848, from Capt. Boys's collection); ♀, Mussowrah, Bengal Presidency (obtained 1856, from Mr. Leadbeater). B.M.

T. Sesia is figured by Cramer (Pap. Exot. ii. pl. 125. figs. A, B) as *P. Pyrene*; and in his 'Entomologia Systematica' Fabricius considers it identical with that species; it seems, however, to be abundantly distinct. It is allied to *P. Anexibia* of Hübner. Jones figures *P. Sesia* ♀ as "*P. Ænippe*."

Genus 10. IDMAIS, *Boisduval*,
Suit. Buff. i. p. 584 (1836).

1. **Idmais Amata.**

Papilio (D. C.) Amata, *Fabricius*, "alis rotundatis, fulvis, limbo nigro, subtus virescentibus: habitat in India orientali."

Fabricius, Syst. Ent. p. 476. n. 143 (1775); *Sp. Ins.* p. 47. n. 204 (1781); *Mant. Ins.* p. 22. n. 231 (1787); *Ent. Syst.* iii. p. 202. n. 633 (1793).

Coromandel. (Obtained from Mr. Sowerby) B.M.

Local var. Papilio (D. C.) Cypræa, *Fabricius* [P. Calais, *Cramer*], "alis integerrimis, fulvis, margine nigro fulvo maculato; subtus virescentibus puncto strigaque moniliformi fulva: habitat in India." *Pap. Exot.* i. pl. 30. fig. C, D (1775).

Fabricius, Ent. Syst. iii. p. 203. n. 634 (1793).

Congo. (Presented 1843, by Dr. Richardson, collected by Andrew Curror, Esq., Surgeon, R.N.) B.M.

Genus 11. COLIAS, *Fabricius*,

Illiger's Magaz. vi. p. 284 (1808).

1. Colias Aurora.

Papilio (D. C.) Aurora, *Esper*, "alis integerrimis, fulvis; anticis subtus puncto ocellari, posticis sesquialtero argenteis; habitat in Sibiria." *Eur. Schmett.* i. pt. 2. pl. 83. fig. 3 (1777).

Fabricius, Mant. Ins. p. 23. n. 244 (1787); *Ent. Syst.* iii. p. 208. n. 650 (1793).

Not in the Collection of the British Museum.

Excepting in the silver pupil to the spot upon the under surface of the anterior wing, and the narrower black margin to all the wings, *P. Aurora* is exceedingly like two Russian examples of *C. Aurorina*, H.-Sch., in the British-Museum collection; indeed the the two forms do not differ more than many different individuals of the common *C. Edusa*; some Swiss specimens of the latter are both in size and colour exceedingly like *C. Aurorina*, whilst others are small, pale, and quite different in appearance.

2. Colias Edusa.

Papilio (D. C.) Edusa, *Fabricius*, "alis integerrimis, fulvis, puncto margineque nigris; subtus virescentibus, anticis puncto nigro, posticis argenteo: habitat in Hispania." P. Hyale, *Esper*, *Eur. Schmett.* i. pt. 1. pl. 4. fig. 3 (1777).

Fabricius, Mant. Ins. p. 23. n. 240 (1787); *Ent. Syst.* iii. p. 206. n. 643 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

There are two specimens of *P. Edusa* in the Banksian Collection in the British Museum.

3. Colias Lesbia. Pl. II. fig. 2.

Papilio (D. C.) Lesbia, *Fabricius*, "alis integerrimis, fulvis; anticis puncto fusco; subtus omnibus pallidis, puncto niveo: habitat in Patagoniæ littoribus."

Fabricius, Syst. Ent. p. 477. n. 149 (1775); *Sp. Ins.* p. 49. n. 212 (1781); *Mant. Ins.* p. 24. n. 245 (1787); *Ent. Syst.* iii. p. 208. n. 652 (1793).

Buenos Ayres. (Presented by Dr. Joseph Hooker) B.M.

The type specimen of *P. Lesbia*, in a very mutilated condition, is in the Banksian Collection in the British Museum; it is not in the least like Donovan's figure in the 'Naturalist's Repository,' so that the latter is worse than useless.

4. Colias Palæno.

Papilio (D. C.) Palæno, *Linnæus*, "alis integerrimis, flavis, apice nigris margineque fulvis; posticis subtus puncto argenteo: habitat...."

Fabricius, Syst. Ent. p. 476. n. 147 (1775); *Sp. Ins.* p. 48. n. 210 (1781); *Mant. Ins.* p. 23. n. 242 (1787); *Ent. Syst.* iii. p. 207. n. 648 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

Two worn specimens of ♂ *C. Pelidne*, Boisd., represent *P. Palæno* in the Banksian Collection in the British Museum.

5. Colias Hyale.

Papilio (D. C.) Hyale, *Linnæus*, "alis rotundatis, flavis; posticis macula fulva, subtus puncto sesquialtero argenteo: habitat in Europa, Africa, America."

Fabricius, Syst. Ent. p. 477. n. 148 (1775); *Sp. Ins.* p. 48. n. 211 (1781); *Mant. Ins.* p. 23. n. 243 (1787); *Ent. Syst.* iii. p. 207. n. 649 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

According to Capt. Lang (P. Z. S. 1865), this species is tolerably abundant in the Himalayas, 5000 to 10,000 feet: it affects meadows and pasture-lands on the Simla Hills and Kunawur, and is of rapid flight.

There are two specimens of *P. Hyale* in the Banksian Collection in the British Museum.

6. Colias Cesonia.

Papilio (D.) Philippa, *Fabricius* [P. Cesonia, *Stoll*], "alis integerrimis, flavis; anticis acuminatis, nigro variis punctoque atro, posticis sanguineo, omnibus subtus argenteo: habitat . . . ." *Pap. Exot.* pl. 41. figs. 2, 2 *b* (1791).

Fabricius, Ent. Syst. iii. p. 211. n. 660 (1793).

St. John's Bluff. (Presented by E. Doubleday, Esq.) B.M.

The species from Bolivia (figured in the 'Genera of Diurnal Lepidoptera') is quite distinct from the Fabrician butterfly, and may now stand as *Philippa* of Doubleday, not Fabricius: Martin figures a beautiful variety of *Cesonia* as *Papilio* (*Danais candida*) *Sesonia*, (*Psyche*, pl. 2. figs. 5, 6: 1797).

Genus 12. CALLIDRYAS, *Boisduval*,

Suit. Buff. i. p. 605 (1808).

1. Callidryas Trite.

Papilio (D. C.) Trite, *Linnæus*, "alis integerrimis, flavis; anticis supra margine nigris, singulis subtus striga ferruginea: habitat in Africa, Europa australi." *Seba, Mus.* iv. pl. 23. figs. 17, 18.

Fabricius, Syst. Ent. p. 470. n. 146 (1775); *Sp. Ins.* p. 48. n. 209 (1781); *Mant. Ins.* p. 23. n. 239 (1787); *Ent. Syst.* iii. p. 205. n. 642 (1793).

Brazil. (Presented by Major-General T. Hardwicke) B.M.

This species is figured by Cramer (Pap. Exot. ii. pl. 141. figs. C, D).

2. Callidryas Scylla.

Papilio (D. C.) Scylla, *Linnæus*, "alis integerrimis, rotundatis, fulvis; primoribus supra albis, limbo nigro, subtus omnibus nebulosis: habitat in Java," *Linn.*; "in India," *Fabr.**

Papilio (D. C.) Cornelia, *Fabricius*, "alis rotundatis, integerrimis, fulvis; anticis supra albis, margine nigro: habitat Tranquebariæ."

Fabricius, Syst. Ent. p. 475. n. 142 (1775); *Sp. Ins.* p. 47. n. 203 (1781); *Mant. Ins.* p. 21. n. 228, 229 (1787); *Ent. Syst.* iii. p. 201. n. 630 (1793).

Java. (Presented by the Hon. East-India Company) B.M.

There are two specimens of *P. Scylla* in the Banksian Collection in the British Museum: in his 'Systema,' Fabricius quotes a *Terias* figured by Seba as the *P. Scylla* of Linnæus.

3. Callidryas Argante.

♂, Papilio (D. C.) Argante, *Fabricius*, "alis integerrimis, rotundatis, fulvis: subtus ferrugineo irroratis: habitat in Brasilia."

Fabricius, Syst. Ent. p. 470. n. 116 (1775); *Sp. Ins.* p. 40. n. 167 (1781); *Mant. Ins.* p. 19. n. 190 (1787); *Ent. Syst.* iii. p. 189. n. 584 (1793).

♂ ♀, Brazil. (Presented by Major-General T. Hardwicke) B.M.

Found by Mr. Bates in company with *C. Philea* and *C. Marcellina*, Cramer (see Journ. Entom. December 1861).

The type specimen of *P. Argante* is in the Banksian Collection in the British Museum.

4. Callidryas Larra.

♂. Papilio (D.) Larra, *Fabricius*, "alis rotundatis, integerrimis, fulvis, margine nigris; subtus pallidioribus, punctis duobus argenteis: habitat in America."

Fabricius, Ent. Syst. suppl. p. 428. n. 653, 654 (1798).

♂ ♀, Pará. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

In the 'Genera of Diurnal Lepidoptera' this species is considered to be the female of *P. Philea*; but a glance at the description is enough to show that it has nothing to do with that insect: the wings of the male are, above, bright fulvous with a narrow, even, black border. It seems a good species.

5. Callidryas Philea.

Papilio (D. C.) Philea, *Linnæus*, "alis integerrimis, angulatis,

* Fabricius's description applies best to *C. Gorgophone* ♂.

flavis, primoribus macula, posticis limbo luteis: habitat in Indiis." *Donovan, Ins. China*, pl. 32. fig. 2 (1798).

Fabricius, Syst. Ent. p. 478. n. 156 (1775); *Sp. Ins.* p. 51. n. 221 (1781); *Mant. Ins.* p. 24. n. 254 (1787); *Ent. Syst.* iii. p. 211. n. 662 (1793).

Brazil. (From Mr. Children's sale) B.M.

According to Mr. Bates the male frequents the moist margins of waters, and also the alleys of the forest; the female affects flowers in open semicultivated places (see Journ. Entom. December 1861).

6. Callidryas Cipris.

Papilio (D.) Cipris, *Fabricius*, "alis subcaudatis, flavis, margine nigro punctato: habitat . . . . ." *Donovan, Nat. Rep.* ii. pl. 40. fig. 1 (1824).

Fabricius, Ent. Syst. p. 212. n. 663 (1793).

Brazil. (Presented by Major-General T. Hardwicke) B.M.

7. Callidryas Alcmeone.

♂. Papilio (D. C.) Alcmeone, *Cramer*, "alis rotundatis, concoloribus, basi flavis, apice albis: habitat in Malabaria." *Pap. Exot.* ii. p. 141. fig. E (1779).

♀. Papilio (D. C.) Drya (part.), *Fabricius* [P. Statira, *Cramer*], *Pap. Exot.* ii. pl. 120. figs. C, D (1779).

Var. ♀. Papilio (D.) Fabia, *Fabricius*, "alis integerrimis, albis; anticis puncto apiceque nigris, posticis cinereis immaculatis: habitat in Americæ Insulis."

Fabricius, Sp. Ins. pp. 44, 50, n. 186, 218 (1781); *Mant. Ins.* pp. 20, 24. n. 211, 251 (1787); *Ent. Syst.* iii. pp. 196, 210, n. 611, 659 (1793).

Var. *Fabricius, Ent. Syst.* suppl. p. 426. n. 587, 588 (1798).

♂, Venezuela (obtained 1846, from Mr. Dyson); ♀, Brazil, (presented 1844, by H. Lowe, jun., Esq.). B.M.

Two specimens of *C. Alcmeone* of Boisduval and a specimen of *C. Hilaria* represent Cramer's species in the Banksian Collection in the British Museum. *P. Alcmeone*, Cramer, is the *C. Evadne* of Doubleday's 'List.'

The description of *P. Fabia*, in the Supplement to the 'Entomologia Systematica,' is rendered obscure from the fact of the hind wings being described as "cinereis," instead of "ochraceo-cinereis;" the description of the next species, however (*C. Ilea*), is an aid to the determination of this one.

Capt. Lang notes this *Callidryas* as occurring on the lower slopes of the outer Himalayan ranges; the latter, however, is not the Cramerian species, but the *C. Alcmeone* of Boisduval. Mr. Bates has remarked that *P. Alcmeone* of Bengal was considered by Cramer to be identical with *P. Statira* ♂; the insect figured at pl. 141 (from Surinam) is doubtless the male of this species.

8. Callidryas Catilla.

♀. Papilio (D.) Catilla, *Cramer*, "alis rotundatis, flavis; anticis puncto margineque atris; subtus omnibus macula brunnea; posticarum puncto gemino argenteo: habitat Tranquebariæ." *Pap. Exot.* iii. pl. 229. figs. D, E (1782).

♂. Papilio (D.) Titania, *Fabricius* [P. Hilaria ♂, *Cramer*], "alis integerrimis, rotundatis, basi flavis, apice albis, subtus griseis; posticis puncto gemino argenteo: habitat in India orientali."

♀, *Fabricius, Ent. Syst.* p. 209. n. 656 (1793); ♂, *Ent. Syst.* suppl. p. 428. n. 655, 656 (1798).

Ceylon. (Presented 1852, by Dr. R. Templeton, collected by Mrs. Templeton) B.M.

Local form, ♀. Papilio (D. C.) Pomona, *Fabricius*, "alis subangulatis, albis; anticis puncto nigro, subtus flavis; posticis punctis duobus argenteis: habitat in Nova Hollandia." *Donovan, Ins. New Holland*, pl. 17. fig. 3 (1805).

Fabricius, Syst. Ent. p. 479. n. 158 (1775); *Sp. Ins.* p. 51. n. 222 (1781); *Mant. Ins.* p. 24. n. 256 (1787); *Ent. Syst.* iii. p. 213. n. 665 (1793).

Moreton Bay. (Obtained 1857, collected by Mr. Diggles) B.M.

In the 'Genera of Diurnal Lepidoptera' *P. Pomona* is regarded as identical with the *P. Hilaria* of Cramer; it, however, was published earlier than Cramer's species, and differs in the pattern of the upper surface; indeed it seems nearly allied to *P. Jugurtha* (Pap. Exot. ii. pl. 187. figs. E, F), but may prove to be distinct from both species. The type specimen is in the Banksian Collection.

According to Capt. Lang (P. Z. S. 1865), this species frequents the *Cathartocarpus fistula*, a plant indigenous to the outer Himalayan ranges, 2000 to 5000 feet.

The *P. Hilaria* ♀ of Cramer (pl. 339. figs. A, B) is the normal form of the species; the name *P. Catilla* must, however, stand, as it has the claim of priority.

9. Callidyras Eubule.

♀. Papilio (D. E.) Eubule, *Linnæus*, "alis integerrimis, rotundatis, flavis, margine punctis nigris; posticis subtus puncto gemino, ferrugineo, argenteo: habitat in Carolina." *Edwards, Glanures d'Hist. Nat.* pl. 304.

♂ *var.* Papilio (D. C.) Drya, *Fabricius*, "alis integerrimis, rotundatis, flavis; subtus anticis puncto ferrugineo, posticis argenteo: habitat in America."

♂ ♀, *Fabricius, Syst. Ent.* pp. 477, 478, n. 151, 153 (1775); *Sp. Ins.* p. 50. n. 215 (1781); *Mant. Ins.* p. 24. n. 248 (1787); *Ent. Syst.* iii. p. 209. n. 655 (1793).

♂ ♀, St. John's Bluff, North America. (Presented by E. Doubleday, Esq.) B.M.

Representative form. Papilio (D. C.) Marcellina, *Cramer*, "alis integris, rotundatis, flavis, singulis subtus puncto gemino argenteo: habitat Surinami." *Pap. Exot.* ii. pl. 163. figs. A, C, and ? B (1779).

Fabricius, Sp. Ins. p. 49. n. 214 (1781); *Mant. Ins.* p. 24. n. 247 (1787); *Ent. Syst.* iii. p. 209. n. 654 (1793).

♂, Brazil. (Obtained from Mr. Children's sale) B.M.

The female frequents open places at Pará, according to Bates; the males congregate by myriads on the moist sands or mud on the banks of rivers (Journ. Entom. December 1861).

There is one specimen of *P. Eubule* in the Banksian Collection in the British Museum. *P. Drya* is a slight variety of the male, and is not the species referred to by Mr. Doubleday, and figured in the second volume of Hübner's 'Sammlung;' our specimen has a very small additional silver spot on the hind wings. *P. Marcellina* is the Southern form of *P. Eubule*; the male, excepting in size, differs little from *P. Sennæ* (as observed by Fabricius). The colouring of the upper surface is, as in *P. Eubule*, bright sulphur-yellow; but the silver spots on the under surface are slightly larger. It has nothing to do with Donovan's *P. Marcellina*, figured in his 'Naturalist's Repository' (i. pl. 6: 1823).

Race ♀. Papilio (D. C.) Sennæ, *Linnæus*, "alis integerrimis, rotundatis, flavis, singulis subtus puncto gemino, ferrugineo: habitat in America." *Sloane, Jamaica*, ii. pl. 236. figs. 11, 12.

Fabricius, Syst. Ent. p. 477. n. 150 (1775); *Sp. Ins.* p. 49. n. 213 (1781); *Mant. Ins.* p. 24. n. 247 (1787); *Ent. Syst.* iii. p. 208. n. 653 (1793).

Honduras. (Obtained 1845, from Mr. Dyson) B.M.

There are two specimens of *P. Sennæ* in the Banksian Collection in the British Museum; it is figured in Donovan's 'Insects of New Holland,' pl. 17. fig. 3 (1805), under the name of *P. Pomona*; the true *P. Pomona*, however, is figured in his 'Naturalist's Repository,' under the same name.

10. **Callidryas Florella.**

♀. Papilio (D. C.) Florella, *Fabricius*, "alis subangulatis, albis; anticis puncto fusco, posticis subtus punctis tribus argenteis: habitat in Sierra Leon."

Fabricius, Syst. Ent. p. 479. n. 159 (1775); *Sp. Ins.* p. 51. n. 224 (1781); *Mant. Ins.* p. 24. n. 257 (1787); *Ent. Syst.* iii. p. 213. n. 666 (1793).

♂ ♀, Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The type of *P. Florella* is in the Banksian Collection in the

British Museum; Donovan's figure (Nat. Rep. iii. pl. 90: 1825) gives a very poor idea of it. The female is much like a large pale variety of the *C. Rhadia* of Mr. Doubleday's 'List;' the male is nearly white above, below it differs from the female in that it has only one silver spot in the hind wings.

11. **Callidryas Chryseis.**

Race. Papilio (D. C.) Gnoma, *Fabricius*, "alis integris, rotundatis, albis; anticis puncto atro, subtus omnibus puncto argenteo: habitat in India." P. Philippina, *Cramer, Pap. Exot.* iv. pl. 361. figs. C, D (1782).

Fabricius, Syst. Ent. app. p. 828. n. 152, 153 (1776); *Sp. Ins.* p. 50. n. 217 (1781); *Mant. Ins.* p. 24. n. 250 (1787); *Ent. Syst.* iii. p. 210. n. 658 (1793).

China. (Presented by E. Larkin, Esq.) B.M.

There is one specimen of *P. Gnoma*, associated with the *P. Florella* of Fabricius, in the Banksian Collection in the British Museum; it is evidently a race of Drury's *P. Chryseis* (Ill. i. pl. 12. figs. 3, 4: 1770).

12. **Callidryas Pyranthe.**

Papilio (D. C.) Pyranthe, *Linnæus*, "alis rotundatis, albis, puncto apiceque nigris; subtus cinereo undatis, puncto fulvo: habitat in India orientali."

Fabricius, Syst. Ent. p. 473. n. 132 (1775); *Sp. Ins.* p. 44. n. 188 (1781); *Mant. Ins.* p. 20. n. 213 (1787); *Ent. Syst.* iii. p. 198. n. 616 (1793).

India. (Presented by Sir John Hearsey) B.M.

Mr. Swinhoe states that this species is abundant amongst rank overgrown herbage (P. Z. S. 1866).

P. Pyranthe is smaller than *P. Chryseis*, and has a narrower marginal black band to the front wings; Donovan's figure (Ins. China, pl. 32. fig. 1: 1798), being probably copied from Jones's 'Icones,' represents the true *P. Chryseis*.

13. **Callidryas Amaryllis.**

Papilio (D.) Nephte, *Fabricius*, "alis repandis, albis; anticis supra puncto nigro, subtus omnibus fusco: habitat in China."

Papilio (D. C.) Amaryllis, *Fabricius*, "alis rotundatis, integerrimis, concoloribus, obscure albidis; anticis lunula media nigra: habitat in India." *Donovan, Ins. Ind.* pl. 28. fig. 1 (1800).

Fabricius, Ent. Syst. iii. pp. 189, 190, n. 586, 588 (1793).

♂, Wuzeerabad, Punjaub. (Presented 1854, by Sir John Hearsey) B.M.

In his notes Mr. Doubleday remarks that *P. Amaryllis* is a *Rhodocera*; this, however, is an error.

This form is not perfectly identical with *P. Chryseis* or *P. Pyranthe*: although Fabricius quoted Drury's figure of the former, because it was the nearest approach to his species that he could get, he altered the name and remarked, "apex alæ haud nigricat." Small specimens of *P. Amaryllis* represent the *P. Thisorella* of Boisduval. *P. Nephte* is well figured in Jones's unpublished 'Icones.'

Local form ♂. Papilio (D.) Ilea, *Fabricius*, "alis integerrimis, albis; anticis puncto apiceque nigris, subtus omnibus cinereis, puncto minuto ferrugineo: habitat in India orientali."

Fabricius, Ent. Syst. suppl. p. 421. n. 587, 588 (1798).

♂ ♀, Ceylon. (Obtained 1853, from Mr. Cuming) B.M.

This form comes very near to *P. Amaryllis*.

Genus 13. GONEPTERYX, *Leach*,

Edinb. Enc. ix. p. 128 (1815).

1 Gonepteryx Castalia.

♀. Papilio (D.) Castalia, *Fabricius*, "alis integerrimis, rotundatis, albis, supra immaculatis, subtus basi flavescentibus: habitat in India." *Donovan, Ins. Ind.* pl. 28. fig. 2, bad (1800).

Fabricius, Ent. Syst. iii. p. 188. n. 580 (1793).

♂ ♀, Jamaica. (Obtained 1846, from Mr. Gosse) B.M.

P. Castalia is nearly allied to *P. Lyside*, but has no black spots upon the upper surface; the male has a yellow patch at the base of anterior wings, the female varies in colour from all yellow to all white. In the 'Genera of Diurnal Lepidoptera' this species is referred, probably inadvertently, to *Callidryas Rhadia*, Boisd. (*Florella*, Fabr.); in Mr. Doubleday's notes to the 'Spécies Général' it is supposed to be the same as *P. Ilaire*, which is also an error.

2. Gonepteryx Mærula.

Papilio (D. C.) Mærula, *Fabricius*, "alis integris, angulatis, flavis; anticis supra macula atra, reliquis ferruginea: habitat in America." *Donovan, Ins. Ind.* pl. 27. fig. 1 (1800).

Fabricius, Syst. Ent. p. 479. n. 157 (1775); *Sp. Ins.* p. 51. n. 222 (1781); *Mant. Ins.* p. 24. n. 255 (1787); *Ent. Syst.* iii. p. 212. n. 664 (1793).

Venezuela. (Obtained 1847, from Mr. Dyson) B.M.

This is the *G. Merula* (sic) of Doubleday's list. The Central-American variety (*G. Lacordairii*, Boisd.) is figured by Cramer (Pap. Exot. pl. 129. figs. A, B) under the name of *P. Ecclipsis*.

3. Gonepteryx Rhamni.

Papilio (D. C.) Rhamni, *Linnæus*, "alis integerrimis, angulatis,

flavis, singulis puncto flavo; subtus ferrugineo: habitat in Europa, Africa."

Papilio (D. C.) Ecclipsis, *Linnæus*, "alis integerrimis, angulatis, flavis; anticis punctis duobus maculaque nigris; posticis ocello cæruleo: habitat in America." *Petiver, Gazoph.* vi. pl. 10.

Fabricius, Syst. Ent. p. 478. n. 154, 155 (1775); *Sp. Ins.* p. 50. n. 219, 220 (1781); *Mant. Ins.* p. 24. n. 253, 254 (1787); *Ent. Syst.* iii. p. 211. n. 661 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

Var. Papilio (D. C.) Cleopatra, *Linnæus*, "alis integerrimis, angulatis, flavis; anticis supra disco fulvo, reliquis puncto ferrugineo: habitat in Africa." *Cramer, Pap. Exot.* ii. pl. 131. fig. E (1779).

Fabricius, Syst. Ent. p. 470. n. 160 (1775); *Sp. Ins.* p. 51. n. 225 (1781); *Mant. Ins.* p. 24. n. 258 (1787); *Ent. Syst.* iii. p. 213. n. 667 (1793).

♂, Port Natal. (Presented 1861, by John Sanderson, Esq., by whom it was collected) B.M.

There are two specimens of *P. Rhamni* in the Banksian Collection in the British Museum, and two of the variety *P. Cleopatra*, labelled "Algiers." *P. Ecclipsis*, even in Petiver's figure, looks like a manufactured insect, and two cleverly painted specimens in the Linnean cabinet prove it to be so; Petiver described it as "Pap. sulphureus, lunulis cæruleis, &c.," and placed it amongst his animals of Europe in the index to his work; Linnæus, however, gave the locality "in America septentrionali." *P. Cleopatra* has by some authors been considered distinct from *P. Rhamni*, but none of them have yet attempted to determine to which of the so-called distinct species the intermediate gradations from orange to yellow are to be referred; in the British-Museum collection we have a specimen exactly intermediate between the two extremes.

Genus 14. TERIAS, *Swainson*,

Zool. Ill. i. p. 22 (1821).

1. Terias Proterpia.

Papilio (D. C.) Proterpia, *Fabricius*, "alis integerrimis, angulatis, fulvis; anticis margine exteriore nigro: habitat in Jamaica."

Fabricius, Syst. Ent. p. 473. n. 152 (1775); *Sp. Ins.* p. 50. n. 216 (1781); *Mant. Ins.* p. 24. n. 249 (1787); *Ent. Syst.* iii. p. 210. n. 657 (1793).

St. Domingo. (Obtained 1855, collected by Mr. Tweedie) B.M.

2. Terias Nicippe.

Papilio (D.) Nicippe, *Cramer*, "alis integerrimis, fulvis, apicibus fuscis; anticis utrinque lunula nigra, posticis subtus sanguineo ir-

roratis: habitat in Virginia." *Pap. Exot.* iii. pl. 210. figs. C, D (1782).

Fabricius, Ent. Syst. iii. p. 208. n. 601 (1793).

East Florida. (Presented by E. Doubleday, Esq.) B.M.

3. Terias Rahel.

Papilio (D. C.) Rahel, *Fabricius*, "alis rotundatis:" "alæ flavissimæ, anticis margine exteriore et postico late nigris, posticis margine tantum postico; subtus omnes immaculatæ: habitat in India." T. Tondana, *Felder, Nov. Voy.* ii. pl. 26. fig. 1.

Fabricius, Mant. Ins. p. 22. n. 235 (1787); *Ent. Syst.* iii. p. 204. n. 637 (1793).

Borneo. (Obtained 1845, collected by Mr. Lowe) B.M.

This species has nothing to do with the *T. Rahel* of Dr. Boisduval.

4. Terias Hecabe.

Papilio (D. C.) Hecabe, *Linnæus*, "alis integerrimis, rotundatis, flavis, extimo nigris; subtus fusco punctatis: habitat in China," *Linn.*; "in India orientali," *Fabr. Edwards, Glan. d'Hist. Nat.* i. pl. 253.

Fabricius, Syst. Ent. p. 472. n. 125 (1775); *Sp. Ins.* p. 42. n. 178 (1781).

P. Hecube (*sic*), *Fabricius, Mant. Ins.* p. 19. n. 201 (1787); *Ent. Syst.* iii. p. 192. n. 598 (1793).

China (presented by E. Larkin, Esq.); Moulmein (obtained 1843, from Archdeacon Clerk). B.M.

According to Capt. Lang (P. Z. S. 1865) this *Terias* has a wide range; it is taken on the Himalayas and plains. Mr. Swinhoe (P. Z. S. 1866) notes it as common amongst grass.

There is one mutilated specimen of *P. Hecabe* in the Banksian Collection in the British Museum. Linnæus quotes Petiver's figure, which, however, seems to be intended to represent *T. candida*, or an allied species. Edwards's figure evidently represents the Linnæan species; he gives the locality "China," which is also cited by Linnæus as the habitat of the species. Cramer's figures (pl. 124. figs. B, C) represent a variety.

5. Terias Libythea.

Papilio (D.) Libythea, *Fabricius*, "alis rotundatis, integerrimis, flavis, extimo nigris, subtus immaculatis: habitat in India orientali."

Fabricius, Ent. Syst. suppl. p. 427, n. 598, 599 (1798).

Canara. (Presented 1860, by the Hon. East-India Comp.) B.M.

Although Fabricius considered Cramer's *P. Nise* to be identical with *P. Libythea*, there can be little doubt that the latter was an unspotted variety of Horsfield's *T. Drona*; we have just such a

variety from Canara. The type specimen is quoted by Fabricius as in Daldorff's collection, and, so far as can be judged from the Fabrician writings, the species in that collection seem to have been almost exclusively Asiatic.

6. Terias Musa.

Papilio (D.) Musa, *Fabricius*, "alis integerrimis, albis; posticis puncto medio nigro, subtus flavescentibus, punctis duobus: habitat in India orientali."

Fabricius, Ent. Syst. iii. p. 195. n. 607 (1793).

Bogotá. (Obtained 1856, from the collection of the late Mr. Stevens, of Bogotá) B.M.

This species is identical with the *T. gentilis* of Boisduval; it is figured in Jones's 'Icones;' otherwise the description might have led one to suppose it synonymous with the *P. Sinoë* of Godart.

7. Terias Messalina.

Papilio (D. C.) Messalina, *Fabricius*, "alis integerrimis, rotundatis, albis, apice nigris, subtus flavis, macula marginali brunnea: habitat in India."

Fabricius, Mant. Ins. p. 22. n. 235 (1787); *Ent. Syst.* iii. p. 204. n. 638 (1793).

Jamaica. (Obtained 1846, from Mr. Gosse) B.M.

8. Terias Elathea.

Papilio (D. C.) Elathea, *Cramer*, "alis rotundatis, integerrimis, extimo nigris, anticis flavis, posticis albis, subtus cinereis: habitat in America." *Pap. Exot.* ii. pl. 99. figs. C, D (1779).

Fabricius, Sp. Ins. p. 44. n. 185 (1781); *Mant. Ins.* p. 20. n. 209 (1787); *Ent. Syst.* iii. p. 196. n. 610 (1793).

Jamaica. (Presented by Major-General Th. Hardwicke) B.M.

9. Terias Agave.

Papilio (D. C.) Agave, *Cramer*, "alis integerrimis, rotundatis, flavis; anticis apice supra nigris, subtus brunneis: habitat Caiennæ." *Pap. Exot.* i. pl. 20. figs. H, I (1775).

Fabricius, Mant. Ins. p. 19. n. 202 (1787); *Ent. Syst.* iii. p. 193. n. 599 (1793).

Id.? Brazil. (Presented by Dr. Andrew Sinclair) B.M.

The Fabrician description of the above does not well characterize the species figured by Cramer, the under surface of the wings in that insect being white*, not brown.

* The colour has turned nearly black.

Genus 15. PONTIA, *Fabricius*,
Illiger's Mag. vi. p. 283 (1808).

1. Pontia Alcesta.

Papilio (D.) Narica, *Fabricius* [P. Alcesta, *Cramer*], "alis rotundatis, niveis; anticis macula ante apicem fusca: habitat in Guinea." *Pap. Exot.* iv. pl. 379. fig. A (1782).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

Var. Papilio (D.) Dorothea, *Fabricius*, "alis rotundatis, integerrimis, albis; anticis apice atris, posticis subtus fasciis flavescentibus nigro irroratis: habitat in India."

Fabricius, Ent. Syst. iii. pp. 187, 194, n. 578, 602 (1793).

Mr. Doubleday, in his MS. notes, testifies to the fact of *P. Dorothea* being a *Pontia*; it is figured in Jones's unpublished 'Icones,' and differs from *P. Narica* in having the apex of the front wings black, a smaller discal spot, and the under surface of the wings varied with bright green; perhaps it may prove to be a distinct local race. We have it from the Gold Coast, presented 1868, by A. Swanzy, Esq.

2. Pontia Xiphia.

Papilio (D. C.) Xiphia, *Fabricius*, "alis rotundatis, integerrimis, albis, anticis macula apiceque nigris, posticis subtus viridi irroratis: habitat in India orientali."

Fabricius, Sp. Ins. p. 43. n. 180 (1781); *Mant. Ins.* p. 20. n. 204 (1787).

P. Nina, *Fabricius, Ent. Syst.* iii. p. 194. n. 604 (1793).

Ceylon. (Presented 1852, by Dr. R. Templeton, collected by Mrs. Templeton) B.M.

The type specimen of *P. Xiphia* is in the Banksian Collection in the British Museum; this species is generally quoted by the more recent name of *P. Nina*.

Genus 16. LEPTALIS, *Dalman*,
Anal. Entom. p. 40 (1823).

1. Leptalis Pinthæus. Pl. II. fig. 1.

Papilio (D. F.) Pinthæus, *Linnæus* [Pinthoïs (*sic*), *in M. L. U.*], "alis rotundatis, integerrimis, concoloribus, primoribus fuscis, maculis tribus flavis; posticis dimidiato albis": "alæ primores fuscæ, maculis tribus flavis, prima parva ad apicem, secunda magna, transversalis, obliqua, in medio, tertia oblonga ad basin; posticæ integerrimæ, pars antica alba; postica nigra interjacente spatio albo-flavescente: habitat in Indiis."

Fabricius, Syst. Ent. p. 481. n. 169 (1775); *Sp. Ins.* p. 55. n. 242 (1781); *Mant. Ins.* p. 27. n. 280 (1787); *Ent. Syst.* iii. p. 48. n. 149 (1793).

Pará. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

Linnæus does not describe the under surface of *P. Pinthœus*; he gives the locality "in Asia," which might almost lead one to suppose his species to be a moth (*Soritia Leptalina*, Kollar); only the description of the body does not at all suit that insect.

2. Leptalis Clio.

Papilio (H.) Clio, *Cramer* [nec *Linn.*, part. *Fabr.*], "alis oblongis, integerrimis, fuscis, anticis albo maculatis, posticis fascia alba." *Pap. Exot.* iii. pl. 257. figs. D, E (1782).

Fabricius, Mant. Ins. p. 15. n. 150 (1787); *Ent. Syst.* iii. p. 171. n. 531 (1793).

Not in the collection of the British Museum.

Mr. Doubleday has referred this species to the genus *Ithomia*, but in many respects it more nearly resembles the *Leptalides* of the *Lysinoë* group.

3. Leptalis Melite.

♂. Papilio (H.) Melite, *Linnæus*, "alis oblongis, integerrimis, flavis; anticis supra nigris, lineis duabus fasciaque flavis: habitat in India." *Clerck, Icon.* pl. 44. fig. 5 (1764).

Fabricius, Syst. Ent. p. 460. n. 71 (1775); *Sp. Ins.* p. 27. n. 108 (1781); *Mant. Ins.* p. 13. n. 126 (1787); *Ent. Syst.* iii. p. 160. n. 494 (1793).

Var. Brazil. B.M.

The specimens in the British-Museum collection differ from Clerck's figure in having the discoidal streak continued into the discal band, two subapical spots in the front wings, and a narrower marginal band in the hind wings.

4. Leptalis Crisia.

Papilio (H.) Crisia, *Drury*, "alis oblongis, integerrimis, atris; anticis acuminatis, fascia, posticis disco flavis: habitat in America meridionali." *Ill.* iii. pl. 37. figs. 1, 2 (1782).

Fabricius, Ent. Syst. iii. p. 166. n. 515 (1793).

Rio Janeiro, Brazil. (Obtained from Mr. Bonifas) B.M.

Drury's figure of *P. Crisia* seems to represent a variety without the usual pale discoidal streak; the absence of subapical spots in the same figure is an omission, for in his description he remarks that "three small faint white spots are situated near the tips" of the wings.

5. Leptalis Licinia.

Papilio (D. C.) Phryne (part.), *Fabricius* [P. Licinia, *Cramer*], "alis

rotundatis, integerrimis, albis, costa baseos apiceque nigris, posticis subtus flavescentibus, fasciis duabus: habitat in America." *Pap. Exot.* ii. pl. 153. figs. E, F (1779).

Fabricius, Sp. Ins. p. 44. n. 187 (1781); *Mant. Ins.* p. 20. n. 212 (1787).

P. Phronima and Licinia, *Fabricius, Ent. Syst.* iii. pp. 197, 206, n. 613, 646 (1793).

Brazil? B.M.

According to Mr. Doubleday, in his MS. notes to the 'Spécies Général,' the *P. Licinia* of Jones's 'Icones' is identical with Dr. Boisduval's *L. Isodrita*; but in the description of the latter no discocellular band is mentioned, such as occurs in Jones's insect, which is evidently allied to *L. Melite*. Fabricius quotes Cramer's figures under the name of *P. Phronima*, Cramer.

6. Leptalis Psamathe.

Papilio (D. C.) Psamathe, *Fabricius*, "alis rotundatis, integerrimis, albis; anticis apice nigris albo maculatis, posticis subtus virescentibus, fasciis duabus obscurioribus, anteriore incurva: habitat in America." *Donovan, Nat. Rep.* i. pl. 9 (1823).

Fabricius, Ent. Syst. p. 207. n. 647 (1793).

Brazil. (Obtained 1851) B.M.

Genus 17. LEPTOSIA, *Hübner*,

Verz. bek. Schmett. p. 95 (1816).

1. Leptosia Sinapis.

Papilio (D. C) Sinapis, *Linnæus*, "alis integerrimis, rotundatis, albis, apicibus fuscescentibus: habitat . . . . ." *Scopoli, Ent. Carn.* fig. 452.

Fabricius, Syst. Ent. p. 470. n. 114 (1775); *Sp. Ins.* p. 40. n. 164 (1781); *Mant. Ins.* p. 18. n. 186 (1787); *Ent. Syst.* iii. p. 187. n. 577 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

There is one discoloured specimen of *P. Sinapis* in the Banksian Collection in the British Museum.

Subfamily II. *PAPILIONINÆ*, Bates,

Genus 1. THAIS, *Fabricius*,

Illiger's Magaz. vi. p. 283 (1808).

1. Thais Hypermnestra.

Papilio (N. P.) Hypsipyle, *Fabricius* [P. Hypermnestra, *Scopoli*], "alis dentatis, flavis, nigro variegatis, apice radiatis, posticis punctis

septem rubris: habitat in Europa australiore, America." *Ent. Carn.* p. 149. n. 425, fig. 425 (1763).

Fabricius, Gen. Ins. p. 265. n. 271, 272 (1776); *Sp. Ins.* p. 95. n. 417 (1781); *Mant. Ins.* p. 51. n. 504 (1787); *Ent. Syst.* iii. p. 214. n. 668 (1793).

Italy. (Presented by Signor Passerini) B.M.

There is one specimen of *P. Hypermnestra* in the Banksian Collection in the British Museum.

2. **Thais Maturna.**

Papilio (N. P.) Maturna, *Linnæus*, "alis dentatis, fulvis, nigro maculatis, posticis subtus fasciis flavis, strigis undatis nigris: habitat in *Corylo, Erica, Scabiosa.*" *Petiver, Gazoph.* pl. 1. fig. 8.

Papilio (N. P.) Rumina, *Esper* [nec *Linnæus*], "alis dentatis, variegatis; supra anticis punctis sex, posticis quatuor rubris." "P. Rumina australis," *Eur. Schmett.* i. pt. 2. pl. 72. fig. 4 (1777).

Fabricius (part.), *Sp. Ins.* p. 107. n. 467 (1781); *Mant. Ins.* p. 51. n. 505 (1787); *Ent. Syst.* iii. p. 244. n. 759 (1793).

Gibraltar. (Obtained 1867) B.M.

Petiver's figure represents a *Thais*, subsequently confounded by Fabricius with the (Lycænide) *P. Rumina*, Linnæus, which name it has since retained. In his 'Species Insectorum' and 'Mantissa Insectorum,' p. 60, Fabricius mistook the small form of *Melitæa Trivia* for *P. Maturna*, and compared it to *P. Cinxia*; and Hübner, in his 'Sammlung europäischer Schmetterlinge,' applied the name *P. Maturna* to another species of *Melitæa* (*P. Iduna*, Dalm.), which has ever since represented the *P. Maturna* of Linnæus in our collections.

Genus 2. PARNASSIUS (*Fabricius*), *Latreille, Gen. Crust. et Ins.* iv. p. 202 (1809).

1. **Parnassius Mnemosyne.**

Papilio (P.) Mnemosyne, *Linnæus*, "alis rotundatis, integerrimis, albis, nigro nervosis; anticis maculis duabus nigris marginalibus: habitat in Europa boreali."

Fabricius, Syst. Ent. p. 466. n. 100 (1775); *Sp. Ins.* p. 35. n. 148 (1781); *Mant. Ins.* p. 17. n. 170 (1787); *Ent. Syst.* iii. p. 182. n. 562 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

Frequents flowery fields on mountain-slopes; when flying it is quite impossible to distinguish it from *Pieris Cratægi*.

There is one specimen of *P. Mnemosyne*, much worn, in the Banksian Collection in the British Museum.

2. **Parnassius Phœbus.**

Papilio (P.) Phœbus, *Fabricius*, "alis rotundatis, integerrimis, concoloribus albis nigro maculatis; posticis maculis tribus rubris habitat in Sibiria."

Fabricius, Ent. Syst. iii. p. 181. n. 561 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

3. **Parnassius Apollo.**

Papilio (P.) Apollo, *Linnæus*, "alis rotundatis, integerrimis, albis nigro maculatis; posticis supra ocellis quatuor, subtus sex: habitat . . . . . "

Fabricius, Syst. Ent. p. 465. n. 99 (1775); *Sp. Ins.* p. 35. n. 147 (1781); *Mant. Ins.* p. 17. n. 169 (1787); *Ent. Syst.* iii. p. 181. n. 560 (1793).

Germany. (Obtained from Herr J. J. Becker) B.M.

Frequents mountain-slopes.

There are two specimens of *P. Apollo* in the Banksian Collection in the British Museum.

Genus 3. EURYCUS, *Boisduval*,
Suit. Buff. i. p. 391 (1816).

1. **Eurycus Cressida.**

♂. Papilio (P.) Cressida, *Fabricius*, "alis dentatis; anticis hyalinis, maculis duabus nigris; posticis nigris, macula alba: habitat in Nova Hollandia."

♀. Papilio (E. T.) Harmonia, *Fabricius*, "alis repandis, albis, concoloribus; anticis macula nigra, posticis margine fusco; punctis quinque albis: habitat in Nova Hollandia." *Donovan, Ins. New Holland*, ♂ ♀, pl. 12. figs. 1, 2 (1805).

♂, *Fabricius, Syst. Ent.* p. 448. n. 24 (1775); *Sp. Ins.* p. 37. n. 156 (1781); *Mant. Ins.* p. 17. n. 178 (1787); ♂ ♀, *Ent. Syst.* iii. p. 20. n. 62, 63 (1793).

♂ obtained 1850, from Mr. Macgillivray, collected during the voyage of H.M.S. 'Rattlesnake;' ♀ obtained 1857, and collected by Mr. Diggles. B.M.

The types of *P. Cressida* and *P. Harmonia* are in the Banksian Collection in the British Museum.

Genus 4. PAPILIO*, *Fabricius*,

Ent. Syst. iii. Gloss. 1. p. 186 (1793).

Group **Ornithoptera**, *Boisduval*,

Voyage de l'Astrolabe, p. 33 (1832).

1. Papilio Priamus.

♂. Papilio (E. T.) Priamus, *Linnæus*, "alis dentatis, holosericeis; anticis supra viridibus, macula atra; posticis maculis sex nigris: habitat in Amboina." Var. *Donovan*, *Ins. Ind.* pl. 16 (1800).

♀. Papilio (E. T.) Panthoüs (part.), *Linnæus*, "alis dentatis, concoloribus nigris, anticis albo maculatis; posticis maculis albis, nigro fœtis: habitat in Indiis."

♂ ♀. *Fabricius, Syst. Ent.* pp. 446, 448, n. 16, 25 (1775); *Sp. Ins.* p. 6. n. 21 (1781); *Mant. Ins.* pp. 3, 5, n. 22, 39 (1787); *Ent. Syst.* iii. pp. 11, 18, n. 32, 56 (1793).

Amboina. ♂ ♀, B.M.

2. Papilio Panthoüs.

Papilio (E. T.) Remus, *Fabricius* [P. Panthoüs (part.), *Linnæus*], "alis dentatis, subconcoloribus nigris; posticis utrinque maculis flavis marginalibus: habitat in Amboina." ♀, P. Panthoüs, *Donovan, Ins. Ind.* pl. 21 (1800); P. Hippolitus, *Cramer, Pap. Exot.* i. pl. 10 (1775); Panthoüs (part.), *Fabricius, Sp. Ins.* p. 9. n. 36 (1781).

Fabricius, Gen. Ins. p. 250. n. 16, 17 (1776); *Sp. Ins.* p. 6. n. 22 (1781); *Mant. Ins.* p. 3. n. 24 (1787); *Ent. Syst.* iii. p. 11. n. 34 (1793).

Amboina (♂ obtained 1858, collected by A. R. Wallace, Esq.; ♀ 1853, from M. Parzudaki). B.M.

3. Papilio Helena.

♂. Papilio (E. T.) Helena, *Linnæus*, "alis dentatis, atris concoloribus; posticis disco communi aurato: habitat in America." *Clerck, Icon.* pl. 22. fig. 1 (1759).

♀. Papilio (E. T.) Amphimedon, *Cramer*, "alis dentatis, concoloribus fuscis, anticis albo radiatis, posticis macula quinquefida rubra lunulisque albis: habitat in Amboina." *Pap. Exot.* iii. pl. 194. fig. A (1781?).

♂, *Fabricius, Syst. Ent.* p. 449. n. 28 (1775); ♂ ♀, *Sp. Ins.* pp. 8, 10, n. 31, 39 (1781); *Mant. Ins.* p. 5. n. 34, 42 (1787); *Ent. Syst.* iii. pp. 15, 19, n. 45, 49 (1793).

Amboina. (♂ obtained 1853, from M. Parzudaki) B.M.

The type of *P. Heliacon*, Fabr., stands in the Banksian Collection in the British Museum as "*P. Helena* ♂," the original type label having probably been removed.

* The *Papilio* of Linnæus can scarcely be looked upon as a generic name.

4. Papilio Pompeus.

♀. Papilio (E. T.) Astenoüs, *Fabricius* [P. Pompeus ♂, *Cramer*], "alis dentatis, concoloribus nigris; anticis macula radiata alba, posticis disco flavo: habitat in Capite Bonæ Spei." P. Minos, *Cramer*, *Pap. Exot.* iii. pl. 195. fig. A (1781?).

♂. Papilio (E. T.) Heliacon, *Fabricius*, "alis dentatis, concoloribus nigris; posticis disco flavo nigro punctato: habitat in India orientali."

♀, *Fabricius*, *Syst. Ent.* p. 448. n. 27 (1775); *Sp. Ins.* p. 10. n. 38 (1781); *Mant. Ins.* p. 5. n. 41 (1787); ♂ ♀, *Ent. Syst.* iii. p. 19. n. 58, 60 (1793).

Silhet. (Obtained 1845, from the Rev. Stainsforth) B.M.

Both of the Fabrician types of this species are in the Banksian Collection in the British Museum; the *P. Pompeius* of Jones is the *P. Panthonus* of Cramer.

5. Papilio Amphrysus.

Papilio (E. T.) Amphrisius, *Fabricius* [P. Amphrysus, *Cramer*], "alis dentatis, concoloribus, nigris; anticis maculis, posticis disco flavis: habitat in India orientali." *Pap. Exot.* iii. pl. 219. fig. A (1782).

Fabricius, *Mant. Ins.* p. 3. n. 23 (1787); *Ent. Syst.* iii. p. 11. n. 33 (1793).

Java. B.M.

Group **Papilio** (typicalis).

6. Papilio Vertumnus.

Papilio (E. T.) Æneas (part.), *Fabricius* [P. Vertumnus, *Cramer*], "alis dentatis, nigris, anticis supra macula media orbiculata viridi, posticis macula palmata sanguinea: habitat Surinami." *Pap. Exot.* iii. pl. 211. fig. A (1781?).

Fabricius, *Sp. Ins.* p. 8. n. 32 (1781) as *Æneas*; *Ent. Syst.* iii. p. 16. n. 49 (1793) as *P. Vertumnus*.

♂ ♀, Pará. (Obtained 1851, collected by H. W. Bates, Esq.) B.M.

Kollar's *P. Phœnon*, which we have from Bogotá, is scarcely to be distinguished from this species, and should stand as a local form of it.

7. Papilio Anchises.

♀. Papilio (E. T.) Anchises, *Linnæus*, "alis dentatis, nigris concoloribus; posticis maculis septem coccineo-ovatis: habitat in America." *Clerck*, *Icon.* pl. 29. fig. 1 (1759).

Fabricius, *Syst. Ent.* p. 446. n. 19 (1775); *Sp. Ins.* p. 7. n. 26 (1781); *Ent. Syst.* iii. p. 13. n. 40 (1793).

This seems to be nothing more than *P. Arbates* (*P. Brissonius* ♀ in Felder's section vi.); two examples in the Banksian Collection in

the British Museum prove to be only faded specimens of that species. Dr. Felder considers it a distinct species on the authority of Dr. Boisduval, who, however, himself remarks, "Peut-être en effet n'en est-il qu'une variété." The white fringe in Clerck's figure may either have resulted from exposure to light or carelessness in the colourer.

8. Papilio Iphidamas.

♀. Papilio (E. T.) Iphidamas, *Fabricius*, "alis dentatis, concoloribus nigris; anticis fascia abbreviata alba, posticis lata rubra."
Fabricius, Ent. Syst. iii. p. 17. n. 52 (1793).

The species figured by Mr. George Gray as the male of *P. Iphidamas* is the male of an allied but distinct species, the female of which differs from *P. Iphidamas* in its smaller size and the narrow white band of the front wings. See Donovan's drawings in Bibl. Hope, Oxford; we have a species (*P. Erithalion*?) agreeing with Jones's and Donovan's figure, from Bogotá.

9. Papilio Ascanius.

Papilio (E. T.) Ascanius, *Cramer*, "alis caudatis, concoloribus atris, fascia communi alba, posticarum rubro nebulosa: habitat in Brasilia." *Pap. Exot.* i. pl. 14. fig. A (1775).
Fabricius, Sp. Ins. p. 2. n. 6 (1781); *Mant. Ins.* p. 2. n. 7 (1787); *Ent. Syst.* iii. p. 3. n. 8 (1793).

♂ ♀, Brazil. (Presented by Sir Charles Stewart) B.M.

10. Papilio Dardanus.

♂. Papilio (E. T.) Dardanus, *Fabricius*, "alis caudatis, anticis macula viridi orbiculata, posticis macula palmata sanguinea."
♀. Papilio (E. T.) Tros, *Fabricius*, "alis caudatis, concoloribus nigris; anticis fascia abbreviata alba, posticis sanguinea maculari: habitat in Brasilia." *Donovan, Nat. Rep.* i. pl. 29 (1823).
Fabricius, Ent. Syst. iii. p. 10. n. 29, 30 (1793).

Brazil. (♂ obtained from Mr. Mornay, ♀ presented by C. Fortnum, Esq.) B.M.

This species is figured by Mr. Jones in his 'Icones.'

11. Papilio Æneas.

♂. Papilio (E. T.) Æneas, *Linnæus*, "alis dentatis, nigris; anticis supra macula viridi, posticis macula palmata, sanguinea: habitat in India." *Roesel, Ins.* iv. pl. 2.
♀. Papilio (E. T.) Pompeius, *Fabricius* [P. Panthonus, *Cramer*], "alis dentatis, concoloribus nigris, posticis maculis sanguineis: habitat Surinami." *Pap. Exot.* iii. p. 278. figs. C, D (1782).
♂, *Fabricius, Syst. Ent.* p. 448. n. 23 (1775); ♀, *Sp. Ins.* app.

p. 502 (1782?); ♂ ♀, *Mant. Ins.* p. 5. n. 35, 37 (1787); *Ent. Syst.* iii. pp. 17, 18, n. 50, 54 (1793).

♂ ♀, Demerara. B.M.

A male *P. Brissonius* is labelled as *P. Æneas* in the Banksian Collection in the British Museum. *P. Æneas* is figured by Herbst (Natursyst. Schmett. pl. 9. figs. 5, 6); these are the figures quoted in the 'Mantissa.' *P. Numa* scarcely differs from *P. Panthonus*, and may be a second form of the female of this species.

12. Papilio Zacynthus.

♂. Papilio (E. T.) Zacynthus, *Fabricius*, "alis dentatis, concoloribus fuscis; anticis albo radiatis; posticis macula quinquefida rubra lunulisque albis." *Donovan, Nat. Rep.* i. pl. 26. fig. 1 (1823).

♀. Papilio (E. T.) Dimas, *Fabricius*, "alis dentatis, concoloribus nigris; anticis macula alba, venis divisa; posticis sanguinea palmata: habitat in Brasilia." *Donovan, Nat. Rep.* i. pl. 26. fig. 2 (1823).

♂ ♀, *Fabricius, Ent. Syst.* iii. pp. 15, 16, n. 46, 47 (1793).

Brazil. (♂ presented by Dowager Lady East, ♀ ex mus. Milne) B.M.

Mr. Bates considers *P. Zacynthus* to be a purely Brazilian species (see Journ. Ent. December 1861). *P. Dimas* has nothing to do with Cramer's *P. Euristeus*, to which some authors have referred it. Our specimen agrees to a nicety with Donovan's figure, and may perhaps be the original type from Drury's collection.

13. Papilio Philenor.

Papilio (E. T.) Philenor, *Linnæus*, "alis caudatis, nigris; posticis virescenti-nitidis; subtus maculis septem rubris, subocellaribus: habitat in America." *Drury, Ill.* i. pl. xi. figs. 1, 4 (as *P. Astinoüs*).

Fabricius, Syst. Ent. p. 445. n. 12 (1775); *Sp. Ins.* p. 4. n. 15 (1781); *Mant. Ins.* p. 2. n. 15 (1787); *Ent. Syst.* iii. p. 6. n. 18 (1793).

♂ ♀, Ohio, United States. (Presented by E. Doubleday, Esq.) B.M.

There is one specimen of this species in the Banksian Collection in the British Museum.

Mr. Doubleday, in Westwood's 'Arcana,' p. 68 (1842), states that this species is fond of alighting on mud; its flight is powerful, generally low; it frequents the flowers of *Annona grandiflora*.

14. Papilio Polydamas.

Papilio (E. T.) Polydamas, *Linnæus*, "alis dentatis, nigro-æneis, fascia maculari flava; posticis subtus lunulis flexuosis, rubris: habitat in America."

Fabricius, Syst. Ent. p. 447. n. 22 (1775); *Sp. Ins.* p. 8. n. 29

(1781); *Mant. Ins.* p. 4. n. 31 (1787); *Ent. Syst.* iii. p. 14. n. 42 (1793).

Jamaica. B.M.

According to Bates, this species occurs throughout the Amazon region in cultivated places, frequenting flowers (see Journ. Entom. December 1861).

There are two poor specimens of *P. Polydamas* in the Banksian Collection in the British Museum.

15. Papilio Belus.

Papilio (E. T.) Belus, *Cramer*, "alis dentatis, virescentibus; posticis margine interiore pallido, subtus fuscis, lunulis rubris: habitat Surinami."

Fabricius, Sp. Ins. p. 9. n. 34 (1781); *Mant. Ins.* p. 5. n. 36 (1787); *Ent. Syst.* iii. p. 17. n. 53 (1793).

Tabatinga, Peru. (Obtained 1857, collected by M. Degand) B.M.

16. Papilio Ilus.

Papilio (E. T.) Ilus, *Fabricius*, "alis dentatis, nigris; anticis macula alba, posticis subtus punctis baseos angulique ani rubris: habitat in America."

Fabricius, Ent. Syst. p. 17. n. 51 (1793).

Not in the National Collection (see G. R. Gray's 'Cat. Lep. Pap.' p. 59. n. 271).

Mr. Bates* remarks upon this species that "the Panama examples agree precisely with the description given by Fabricius seventy years ago. As the species is not found in Guiana, Brazil, or the recently explored parts of Venezuela and New Granada, it has not been seen by subsequent writers on the genus, and two other quite distinct forms have been made to bear the name." Whether these conclusions are correct or not there can, at any rate, be no doubt about the true identification of the species in Mr. George Gray's Catalogue of *Papilionidæ*; for the author of that work made a tracing of the figure in Jones's 'Icones,' which certainly bears out his views of the true affinities of the species; this tracing is now in my possession.

17. Papilio Lysander.

Papilio (E. T.) Lysander, *Fabricius* (nec *Cramer*), "alæ anticæ atræ, striga media alba; posticæ dentatæ, atræ, macula media magna alba posticeque lunulis tribus anguloque ani rubris: habitat in India."

Fabricius, Gen. Ins. p. 251. n. 23, 24; *Sp. Ins.* p. 9. n. 23. (1781); *Mant. Ins.* p. 3. n. 20 (1787); *Ent. Syst.* iii. p. 9. n. 25 (1793).

* Proc. Zool. Soc. June 1863, p. 242.

Rio Janeiro, Brazil. (Obtained 1850) B.M.

This is evidently the *P. Harrisianus* of Swainson: in the 'Mantissa' Fabricius describes the species as having the wings tailed, "alis caudatis, atris;" the description "posticæ dentatæ" must therefore be taken from a mutilated specimen. Jones figures Drury's *P. Agavus* as *P. Lysander*.

18. **Papilio Asius.**

Papilio (E. T.) Asius, *Fabricius*, "alis caudatis, nigris, fascia communi alba, posticis subtus basi apiceque rubro maculatis: habitat in America meridionali."

Fabricius, Sp. Ins. p. 5. n. 17 (1781); *Mant. Ins.* p. 3. n. 17 (1787); *Ent. Syst.* iii. p. 8. n. 21 (1793).

Rio Janeiro, Brazil. (Obtained 1850) B.M.

The *P. Astyagas* of Drury (Ill. iii. pl. 35. fig. 4), being published in 1782, will sink into a synonym of *P. Asius*.

19. **Papilio Dolicaon.**

Papilio (E. A.) Dolicaön, *Cramer*, "alis caudatis, albis, limbo communi nigro, posticis utrinque punctis marginalibus albis: habitat in America meridionali." *Pap. Exot.* i. pl. 17. figs. C, D (1775); *Donovan, Nat. Rep.* ii. pl. 65 (1824).

Fabricius, Sp. Ins. p. 13. n. 51 (1781); *Mant. Ins.* p. 7. n. 57 (1787); *Ent. Syst.* iii. p. 23. n. 66 (1793).

Brazil. (Presented by Sir Charles Stewart) B.M.

20. **Papilio Thyastes.**

Papilio (E. A.) Thyastes, *Drury*, "alis caudatis, nigris, fascia maculisque flavis, anguloque ani sanguineo, posticis subtus linea sanguinea: habitat in Brasilia." *Ill.* iii. pl. 35. fig. 1 (1782).

Fabricius, Ent. Syst. p. 26. n. 77 (1793).

Brazil. B.M.

21. **Papilio Protesilaüs.**

Papilio (E. A.) Protesilaüs, *Linnæus*, "alis caudatis, subconcoloribus albis, fasciis fuscis, unica subtus sanguinea, angulo ani rubro: habitat in America septentrionali." *Clerck, Icon.* pl. 27. fig. 2 (1759).

Fabricius, Syst. Ent. p. 450. n. 36 (1775); *Sp. Ins.* p. 14. n. 58 (1781); *Mant. Ins.* p. 71. n. 62 (1787); *Ent. Syst.* iii. p. 23. n. 69 (1793).

Demerara. (From Schomburgk's sale) B.M.

According to Bates, most abundant on the Upper Amazons, where it sometimes assembles in dense masses on the moist sand and mud on the banks of the river (see Trans. Ent. Soc. v. pt. 8: 1860).

There are two mutilated specimens of *P. Protesilaüs* in the Banksian Collection in the British Museum.

22. **Papilio Antiphates.**

Papilio (E. A.) Antiphates, *Cramer*, alis caudatis, albis, margine fusco albo fasciato, posticis subtus basi flavescentibus nigro fasciatis: habitat in America." *Pap. Exot.* i. pl. 72. figs. A, B (1779).

Fabricius, Ent. Syst. iii. p. 24. n. 72 (1793).

Hong-Kong, China. (Presented by J. C. Bowring, Esq.) B.M.

Var. Alcibiades.

Papilio (E. A.) Alcibiades, *Fabricius*, "alis caudatis, albis; anticis margine nigro fasciato, posticis subtus apice ferrugineis nigro punctatis: habitat Tranquebariæ."

Fabricius, Mant. Ins. p. 8. n. 65 (1787); *Ent. Syst.* p. 25. n. 73 (1793).

Java. (Presented by the Hon. East-India Company) B.M.

23. **Papilio Orestes.**

Papilio (E. A.) Orestes, *Fabricius*, "alis subcaudatis, supra atris, subtus flavescentibus, omnibus disco niveo, fasciis duabus: habitat in Africa." P. Nomius, *Esper, Ausl. Schmett.* pl. 52. fig. 3.

Fabricius, Ent. Syst. iii. p. 34. n. 99 (1793).

Barrackpore, India. (Presented 1861, by Sir John Hearsey) B.M.

The diagnosis of this species seems to have been drawn up from an imperfect specimen; and the description of the hind wings applies better to *P. Anticrates* than to *P. Orestes* of authors. Mr. Doubleday, in his MS., considers it to be "*Nomius* without tails."

24. **Papilio zonaria,** *Butler.*

Papilio (E. A.) Sinon (part.), *Cramer*, "alis caudatis, nigris, viridi fasciatis maculatisque, posticis subtus linea sanguinea." *Pap. Exot.* iv. pl. 317. figs. C, D (1782).

Fabricius, Mant. Ins. p. 8. n. 67 (1787); *Ent. Syst.* iii. p. 26. n. 75 (1793).

St. Domingo. (Obtained 1855, collected by Mr. Tweedie) B.M.

This is not the *P. Sinon* of the 'Systema Entomologiæ.' Mr. Doubleday, in his copy of Boisduval's 'Spécies Général,' has noticed this as follows:—"Another sp., see Bank. Cabt."

25. **Papilio Sinon.**

Papilio (E. A.) Sinon, *Fabricius*, "alis caudatis, nigris, viridi fasciatis maculatisque; posticis subtus linea sanguinea: habitat in India." P. Protesilaüs, *Drury, Ill.* i. pl. 22. figs. 3, 4.

Fabricius, Syst. Ent. p. 452. n. 39 (1775); *Sp. Ins.* p. 15. n. 59 (1781).

Jamaica. (Obtained 1846, from Mr. Gosse) B.M.

It is evident, from the type of this species in the Banksian Collection in the British Museum, that the *P. Marcellinus* of Doubleday (=*P. Protesilaüs*, Drury) is the true *P. Sinon* of Fabricius: Drury's figure, though taken from a large and highly coloured specimen, has much more of the character of the banding in the Fabrician specimen, which is identical with *P. Marcellinus*.

26. Papilio Ajax.

Papilio (E. A.) Ajax, *Linnæus*, "alis obtuse caudatis, concoloribus, fuscis, fasciis flavescentibus angulo ani fulvo: habitat in America boreali."

Var. P. Marcellus, *Cramer, Pap. Exot.* ii. pl. 98. figs. G, H (1779).

Fabricius, Syst. Ent. p. 455. n. 49 (1775); *Sp. Ins.* p. 20. n. 79 (1781); *Mant. Ins.* p. 10. n. 90 (1787); *Ent. Syst.* iii. p. 33. n. 97 (1793).

East Florida. (Presented by E. Doubleday, Esq.) B.M.

27. Papilio Podalirius.

Papilio (E. A.) Podalirius (part.), *Linnæus*, "alis caudatis, subconcoloribus, flavescentibus, fasciis fuscis, geminatis (posticis subtus linea sanguinea): habitat in *Brassica* Europæ australis."

Fabricius, Syst. Ent. p. 451. n. 38 (1775); *Sp. Ins.* p. 15. n. 58 (1781); *Mant. Ins.* p. 8. n. 64 (1787); *Ent. Syst.* iii. p. 24. n. 71 (1793).

Germany. (Obtained from Herr Becker) B.M.

Linnæus confounded this species with some of the *P. Policenes* group, which accounts for the "linea sanguinea' of his description; he gives its habitats as Europe and North Africa, and remarks that it is nearly allied to *P. Protesilaüs*.

28. Papilio Policenes.

Papilio (E. A.) Pompilius, *Fabricius* [P. Policenes, *Cramer*], "alis caudatis, albis, limbo nigro albo fasciato; posticis subtus maculis ferrugineis, nigro notatis: habitat in India." *Pap. Exot.* i. pl. 37. figs. A, B (1776).

Papilio (E. A.) Agapenor, *Fabricius*, "alis caudatis, nigris, fasciis macularibus viridibus, posticis subtus linea sanguinea: habitat in Africa."

Fabricius, Mant. Ins. p. 8. n. 66 (1787); *Ent. Syst.* iii. pp. 25, 26, n. 75, 76 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

This species is figured by Messrs. Jones and Donovan in their unpublished drawings as *P. Agapenor*.

29. Papilio Antheus.

Papilio (E. A.) Antheus, *Cramer*, alis (dentatis) nigris, viridi fasciatis maculatisque, posticis subtus variegatis lunulis tribus rubris: habitat in Amboina." *Pap. Exot.* iii. pl. 234. figs. B, C (1782).

? *Fabricius, Ent. Syst.* iii. p. 36. n. 105 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The Fabrician type might, according to his description, have been either a local form of *P. Eurypylus* or a broken specimen of Cramer's species; Mr. Doubleday, however, in his MS. notes, writes:—"This is *Agapenor* (teste Westwood in 'Arcana')." In Jones's unpublished 'Icones,' the *P. Antheus* of Cramer is figured, but without tails. See also Donovan's drawings in Bibl. Hope, Oxford.

30. Papilio Sarpedon.

Papilio (E. T.) Sarpedon, *Linnæus*, "alis dentatis, fuscis, fascia viridi; posticis subtus linea baseos maculisque quinque rubris [viridibus in Syst. Ent.]: habitat in Asia."

Fabricius, Syst. Ent. p. 447. n. 21 (1775); *Sp. Ins.* p. 8. n. 28 (1781)=local form; *Mant. Ins.* p. 4. n. 30 (1787); *Ent. Syst.* iii. p. 14. n. 41 (1793).

Nepal. (Presented by Major-General Hardwicke) B.M.

This species, according to Capt. Lang *, has a bold and rapid flight, and is not easily captured; it affects moist ground, and was taken by Capt. Lang at an altitude of 5000 to 7000 feet.

There are two pretty good specimens of *P. Sarpedon* in the Banksian Collection in the British Museum. Fabricius corrected his original description in the 'Species Insectorum,' but quoted Cramer's figure, which represents the Indo-Australian form, *P. Choredon* of Felder.

31. Papilio Eurypylus.

Papilio (E. A.) Eurypylus, *Linnæus*, "alis dentatis, concoloribus, nigris, fascia interrupta maculisque viridibus, posticis subtus rubro maculatis: habitat in Indiis." *Clerck, Icon.* pl. 28. fig. 2 (1759).

Fabricius, Sp. Ins. p. 26. n. 106 (1781); *Mant. Ins.* p. 13. n. 124 (1787); *Ent. Syst.* iii. p. 20. n. 61 (1793).

Ceylon. (Presented 1852, by Dr. Templeton, collected by Mrs. Templeton) B.M.

32. Papilio Agamemnon.

Papilio (E. A.) Agamemnon, *Linnæus*, "alis caudatis, nigris, viridi maculatis; posticis subtus lunulis tribus rufis: habitat in Asia." *Donovan, Ins. China*, pl. 27. fig. 2 (1798); P. Ægistus, *Cramer, Pap. Exot.* ii. pl. 106. figs. C, D (1779).

* See Proc. Zool. Soc. 1865.

Fabricius, Syst. Ent. p. 455. n. 51 (1775); *Sp. Ins.* p. 20. n. 81 (1781); *Mant. Ins.* p. 10. n. 92 (1787); *Ent. Syst.* iii. p. 33 n. 28 (1793).

Java. (Presented by the Hon. East-India Company) B.M.

There are two worn specimens of *P. Agamemnon* in the Banksian Collection in the British Museum.

33. Papilio Codrus.

Papilio (E. A.) Codrus, *Cramer*, "alis caudatis, supra atris, subtus fuscis, anticis utrinque fascia communi alba: habitat in Amboina." *Pap. Exot.* ii. pl. 179. figs. A, B (1779).

Fabricius, Sp. Ins. p. 18. n. 69 (1781); *Mant. Ins.* p. 9. n. 79 (1787); *Ent. Syst.* iii. p. 31. n. 89 (1793).

Amboina. (Obtained 1858, collected by A. R. Wallace, Esq.) B.M.

34. Papilio Empedocles.

Papilio (E. A.) Empedocles, *Fabricius*, "alis caudatis, fuscis; anticis fascia abbreviata maculari viridi, posticis subtus maculis duabus anguli ani: habitat in India orientali." *Donovan, Ins. Ind.* pl. 17. fig. 1 (1800).

Fabricius, Mant. Ins. p. 10. n. 94 (1787); *Ent. Syst.* p. 70. n. 217 (1793).

Borneo. (Obtained 1866) B.M.

The type specimen of *P. Empedocles* is in the Banksian Collection in the British Museum.

35. Papilio Pylades.

Papilio (E. A.) Pylades, *Fabricius*, "alis dentatis, niveis, limbo atro albo punctato, ocello anguli ani rufo: habitat in Africa." *Donovan, Nat. Rep.* i. pl. 13 (1823).

Fabricius, Ent. Syst. iii. p. 34. n. 100 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

36. Papilio similis.

Papilio (E. A.) Leonidas, *Fabricius* [P. similis, *Cramer*], "alis dentatis, subconcoloribus, nigris, viridi maculatis, posticis disco viridi: habitat in Africa." *Pap. Exot.* i. pl. 9. figs. B, C (1775).

Fabricius, Ent. Syst. iii. p. 35. n. 103 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

Mr. Trimen in his 'Rhopalocera Africæ Australis,' remarks that the "South-African examples of this species are smaller and duller in colour than those from Tropical West Africa." There can be little doubt that this species is an imitation of *Danais Leonora*, Butler, which we have registered from West Africa and Angola; this appears to be also Mr. Trimen's opinion.

37. Papilio Antimachus.

Papilio (E.T.) Antimachus, *Drury*, "alis dentatis, elongatis, nigris; anticis maculis, posticis disco radiato rufo nigro punctato: habitat in Africa." *Ill.* iii. pl. 1 (1782).

Fabricius, Ent. Syst. iii. p. 11. n. 31 (1793).

The only known specimens of this remarkable *Papilio* are in the collections of Mr. M'Leay, of Sydney, and of Mr. Ward, of Halifax.

This gigantic butterfly and its nearest ally, the *P. Ridleyanus* of White, present a close imitative resemblance to the members of the subfamily *Acræinæ*. No *Acræa* has yet been discovered at all comparable to *P. Antimachus* in size; it is not, however, impossible that its coloration has reference to the group of West-African *Acræinæ* rather than to any particular species; the under surface of *P. Zalmoxis* shows a resemblance to the same type of colouring, the upper surface, however, being of a somewhat metallic green colour.

38. Papilio Tynderæus.

Papilio (E. A.) Tynderæus, *Fabricius*, "alis dentatis, nigris, viridi maculatis; posticis subtus fusco viridi rubroque variis, basi nigro punctatis: habitat . . . . ." *Donovan, Nat. Rep.* iii. pl. 83 (1825).

Fabricius, Ent. Syst. iii. p. 35. n. 104 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

39. Papilio Clytia.

♀. Papilio (N. P.) Clytia, *Linnæus*, "alis dentatis, nigris; anticis margine exteriore albo maculatis; posticis albo luteoque triplici ordine: habitat in India."

Fabricius, Syst. Ent. p. 507. n. 270 (1775); *Sp. Ins.* p. 95. n. 415 (1781); *Mant. Ins.* p. 50. n. 500 (1787); *Ent. Syst.* iii. p. 127. n. 387 (1793).

♂ ♀, Hong Kong. (Presented by E. Larkin, Esq.) B.M.

Var. ♂. Papilio (N. P.) dissimilis, *Linnæus*, "alis dentatis, dilatato-venosis, nigris, maculis albis, saggittatis; posticis subtus maculis marginalibus luteis: habitat in India."

Fabricius, Syst. Ent. p. 511. n. 288 (1775); *Sp. Ins.* p. 101. n. 444 (1781); *Mant. Ins.* p. 54. n. 539 (1787); *Ent. Syst.* iii. p. 38. n. 113 (1793).

♂, North India. (Obtained from Mr. James) B.M.

Var. ♀. Papilio (N. P.) Panope, *Linnæus*, "alis dentatis, fuscis, concoloribus, margine exteriore albo maculato, angulo ani fulvo: habitat in Asia." *Cramer, Pap. Exot.* iv. pl. 295. figs. E, F (1782).

Var.? Papilio (E. A.) Lacedemon, *Fabricius*, "alis dentatis, nigris, lunulis marginalibus albidis; posticis subtus brunneis lunulis

nigris: habitat in Malabaria." *Donovan, Ins. Ind.* pl. 17. fig. 3 (1800).

Fabricius, Syst. Ent. p. 512. n. 292 (1775); *Mant. Ins.* p. 55. n. 446 (1787); *Ent. Syst.* iii. pp. 36, 59, n. 107, 186 (1793).

♀, Ceylon. (Presented 1852, by R. Templeton, Esq., collected by Mrs. Templeton) B.M.

P. dissimilis has been taken by Captain Lang in June at Subbathoo (N.W. Himalayas), at an altitude of 4000 feet, frequenting a grassy undulating down (see Proc. Zool. Soc. 1865).

There are one specimen of *P. Clytia* and two of *P. dissimilis* in the Banksian Collection in the British Museum.

40. Papilio Demoleus.

Papilio (E. A.) Demoleus, *Linnæus*, "alis dentatis, nigris, flavo maculatis; posticis ocello cæruleo rufoque: habitat in India orientali."

Fabricius, Syst. Ent. p. 455. n. 53 (1775); *Sp. Ins.* p. 21. n. 87 (1781); *Ent. Syst.* iii. p. 34. n. 101 (1793).

Sierra Leone. (Obtained 1858, from Mr. James Foxcroft) B.M.

Haunts open ground, hill-sides, fields, and gardens, and rarely open spots near the edges of woods (see Trimen in Rhop. Afr. Austr.).

There are two specimens of *P. Demoleus* in the Banksian Collection.

41. Papilio Erithonius.

Papilio (E. A.) Demoleus (part.), *Fabricius* [P. Erithonius, *Cramer*], "alis dentatis, nigris, flavo maculatis; posticis ocello cæruleo rufoque." *Pap. Exot.* iii. pl. 232. figs. A, B (1782). P. Epius and P. Demoleus, *Donovan, Ins. China*, pl. 29 (1798).

Fabricius, Mant. Ins. p. 11. n. 103 (1787).

"P. (E. A.) Epius," *Fabricius, Ent. Syst.* iii. p. 35. n. 102 (1793).

Ceylon. (From the Rev. J. Wenham) B.M.

According to Capt. Lang (in Zool. Proc. 1865) this species occurs in mountains and plains, and is constant to the *Aurantiaceæ*. Mr. Swinhoe speaks of it as a very common species (Proc. Zool. Soc. 1866).

Donovan remarks that "*Papilio Epius* and *Papilio Demoleus* are so similar in their marks and colours that most authors have confounded one species with the other. *Papilio Epius* is chiefly distinguished by the red spot in the interior margin of the lower wings having no blue eye-shaped mark above it." We have a specimen of *P. Erithonius* in the collection which agrees well, in the form of the hind-wing band, with Donovan's *P. Demoleus*.

42. Papilio Pelaüs.

Papilio (E. T.) Pelaüs, *Fabricius*, "alis caudatis, atris; anticis fascia, posticis lunulis marginalibus albis punctisque duobus rubris: habitat in India." *Westwood, Arcana Entom.* i. p. 67, pl. 18. 1, 2 (1841).

Fabricius, Syst. Ent. p. 444. n. 9 (1775); *Sp. Ins.* p. 4. n. 12 (1781); *Mant. Ins.* p. 2. n. 12 (1787); *Ent. Syst.* iii. p. 5. n. 15 (1793).

Jamaica. (Obtained from Mr. Gosse) B.M.

In the 'Species Insectorum' Fabricius quotes Cramer's *P. torquatus* as his species, which is of course an error, the two insects not being even nearly allied. In Mr. Doubleday's copy of the 'Spécies Général' is the following note—"See *Imerius*, p. 312;" and against this species is written "*Pelaüs*, F.;" the latter species, however, is from Haiti. Mr. Jones figured the true *P. Pelaüs* amongst his unpublished 'Icones.'

43. Papilio Homerus.

Papilio (E. A.) Homerus, *Fabricius*, "alis caudatis, nigris, fascia flava; posticis subtus flavescentibus, maculis ocellaribus septem: habitat in America." *Donovan, Nat. Rep.* i. pl. 20 (1823); *Gen. Diurn. Lepid.* pl. 4. fig. 1 (1846).

Fabricius, Ent. Syst. iii. p. 29. n. 85 (1793).

Jamaica. (Presented by W. C. Hewitson, Esq.) B.M.

44. Papilio Thoas.

Papilio (E. A.) Thoas, *Linnæus*, "alis caudatis, nigris, flavo-fasciatis; posticis subtus flavis, fascia nigra, lunulis cyaneis: habitat in America meridionali."

Fabricius, Syst. Ent. p. 454. n. 48 (1775); *Sp. Ins.* p. 19. n. 76 (1781); *Mant. Ins.* p. 10. n. 87 (1787); *Ent. Syst.* iii. p. 32. n. 94 (1793).

Brazil. (Obtained from Mr. Bullock) B.M.

Inhabits open places, according to Mr. Bates (Journ. Entom. December 1861). Mr. Doubleday observed it flying rapidly in pathways of woods (see Westwood's 'Arcana,' i. p. 144).

There are two mutilated specimens of *P. Thoas* in the Banksian Collection.

45. Papilio Acamas.

♀. Papilio (E. T.) Acamas, *Fabricius*, "alis dentato-caudatis, concoloribus, fuscis; anticis fascia flava, posticis lunulis rubris cæruleis flavisque: habitat in Jamaica." *Donovan, Nat. Rep.* i. pl. 18 (1823).

♀. Papilio (E. A.) Palamedes, *Fabricius* [nec *Drury*], "alis cau-

datis, nigris, lunulis marginalibus flavis; anticis fascia flava, posticis maculari rufa: habitat in America."

♂. Papilio (E. A.) Thersites, *Fabricius*, "alis caudatis, flavis, limbo nigro, posticis lunulis flavis: habitat in America." *Donovan, Nat. Rep.* i. pl. 24 (1823).

♀, *Fabricius, Syst. Ent.* p. 454. n. 45 (1775); *Sp. Ins.* p. 18. n. 68, 73 (1781); *Mant. Ins.* pp. 9, 10, n. 78, 84 (1787); ♂ ♀, *Ent. Syst.* iii. pp. 8, 30, 68, n. 22, 88, 213 (1793).

Jamaica. (Obtained 1846, from Mr. Gosse) B.M.

The types of *P. Palamedes* and *P. Thersites* are in the Hunterian collection at Glasgow; the credit of determining the former is due to Mr. W. F. Kirby of Dublin, who sent a detailed description of the type.

46. **Papilio Androgeus.**

♂. Papilio (E. T.) Androgeus, *Cramer*, "alis dentatis, nigro-æneis; anticis macula quadrifida flava, posticis subtus lunulis rubris, cyaneis flavisque: habitat in Surinami." *Pap. Exot.* i. pl. 16. figs. C, D (1775).

♀. Papilio (E. A) Polycaön, *Cramer*, "alis dentato-caudatis, nigris, fascia flava, posticis subtus lunulis fulvis cæruleis flavisque: habitat in *Althæis* Surinami." *Pap. Exot.* iii. pl. 203. figs. A, B (1781?).

♂, *Fabricius, Gen. Ins.* p. 251. n. 22, 23 (1776); ♂ ♀, *Sp. Ins.* pp. 8, 19, n. 30, 72 (1781); *Mant. Ins.* pp. 4, 10, n. 32, 89 (1787).

P. Laodocus (part.), *Fabricius, Ent. Syst.* iii. pp. 8, 15, 33, n. 23, 43, 96 (1793).

Brazil. (♂ obtained 1842, ♀ from Mr. Bullock) B.M.

This species, according to Bates, is common in open places throughout the Amazon region; the males sometimes resort to streams to imbibe moisture, the females are only seen at flowers on the borders of the forest (see Journ. Entom. December 1861). This species is figured as *P. Laodocus* in the 'Naturalist's Repository,' vol. iv. pl. 131 (1826).

47. **Papilio Anchisiades.**

Papilio (E. T.) Anchises (part.), *Fabricius* [P. Anchisiades, *Esper*], "alis dentatis, concoloribus, nigris; posticis maculis septem coccineo-ovatis." *Pap. Exot.* iv. pl. 318, figs. A–D (1782).

Fabricius, Mant. Ins. p. 4. n. 28 (1787).

Brazil. (♂ ♀, ex mus. Milne) B.M.

48. **Papilio Idæus.**

♀. Papilio (E. T.) Idæus, *Fabricius*, "alis dentatis, nigris; anticis

fascia abbreviata, flava, posticis macula palmata trifida punctisque sanguineis: habitat in Madras." *Donovan, Ins. Ind.* pl. 22. fig. 2 (1800).

Fabricius, Ent. Syst. p. 16. n. 48 (1793).

♂, Honduras. B.M.

Mr. Doubleday notes this species as identical with *P. Evander*, in his MS.

49. Papilio Turnus.

♂. Papilio (E. T.) Turnus, *Linnæus*, "alis caudatis, concoloribus, flavis, margine fasciisque abbreviatis nigris, angulo ani fulvo: habitat in America."

Fabricius, Syst. Ent. p. 452. n. 41 (1775); *Sp. Ins.* p. 16. n. 65 (1781); *Mant. Ins.* p. 9. n. 73 (1787); *Ent. Syst.* iii. p. 29. n. 86 (1793).

Georgia, ♂. (Presented by Major-General Hardwicke) B.M.

Var. ♀. Papilio (E. T.) glaucus, *Linnæus*, "alis subcaudatis, nebulosis, concoloribus; anticis macula flava; posticis macula fulva: habitat in America." *Clerck, Icon.* pl. 24. fig. 1 (1764).

Papilio (E. T.) Laodocus (part.), *Fabricius*, "alis dentato-caudatis, nigris; anticis fascia abbreviata, flava, posticis subtus lunulis rufis cæruleis albisque; habitat in Brasilia." See *ante*, n. 46.

Fabricius, Syst. Ent. p. 445. n. 13 (1775); *Sp. Ins.* p. 5. n. 17 (1781); *Mant. Ins.* p. 3. n. 18 (1787); *Ent. Syst.* iii. pp. 4, 8, n. 11, 23 (1793).

Georgia, ♀. (Probably from Mr. Abbot) B.M.

Var. ♂. Papilio (E. A.) Antilochus, *Fabricius*, "alis caudatis, concoloribus, flavis, fasciis margineque nigris, caudis albis longitudine alæ: habitat in America."

Fabricius, Syst. Ent. p. 451. n. 37 (1775); *Sp. Ins.* p. 15. n. 57 (1781); *Mant. Ins.* p. 8. n. 63 (1787); *Ent. Syst.* iii. p. 24. n. 70 (1793).

Not in the collection of the British Museum.

Mr. Doubleday observed this species sitting on wet patches on roads by the sides of watercourses, &c.; it loves to sit on the mud. *P. glaucus* he mostly observed soaring over the high underwood; it affected the plane-tree blossoms (see Westwood's 'Arcana,' i. p. 143).

There are two worn specimens of *P. Turnus* in the Banksian Collection. Catesby figures *P. Antilochus* with white tails to the hind wings, but does not mention the colour in his description. Mr. E. Doubleday, in his MS. notes, remarks of Donovan's *P. Astinoüs* that it is "*P. Turnus*, and no mistake."

50. Papilio Xuthus.

Papilio (E. A.) Xuthus, *Linnæus*, "alis caudatis, nigris, albo

striato-maculatis; posticis subtus ocellis cæruleis fulvisque subfasciatis: habitat in India orientali." *Pap. Exot.* i. pl. 73. figs. A, B (1779).

Fabricius, Syst. Ent. p. 454. n. 47 (1775); *Sp. Ins.* p. 19. n. 75 (1781).

P. Xathus (*sic*), *Fabricius, Mant. Ins.* p. 10. n. 86 (1787); *Ent. Syst.* iii. p. 32. n. 92 (1793).

China, ♂ ♀. (Presented by J. S. Bowerbank) B.M.

There are two worn specimens of *P. Xuthus* in the Banksian Collection in the British Museum.

51. Papilio Machaon.

Papilio (E. A.) Machaon, *Linnæus*, "alis caudatis, concoloribus, flavis, limbo fusco, lunulis flavis, angulo ani fulvo: habitat in . . . ."

Fabricius, Syst. Ent. p. 452. n. 42 (1775); *Sp. Ins.* p. 17. n. 67 (1781); *Mant. Ins.* p. 9. n. 77 (1787); *Ent. Syst.* iii. p. 30. n. 87 (1793).

Germany. (Obtained from Herr Becker) B.M.

This species is abundant in the N.W. Himalayas, on grassy downs and slopes, 6000 to 10,000 feet altitude (see Capt. Lang in Proc. Zool. Soc. 1865).

There are two fair specimens of *P. Machaon* in the Banksian Collection in the British Museum.

52. Papilio Troilus.

Papilio (E. T.) Troilus (part.), *Linnæus*, "alis caudatis, nigris; anticis punctis marginalibus pallidis; posticis supra pallido subtus fulvo maculatis: habitat in Indiis." P. Troilus, *Drury, Ill.* i. pl. 11. figs. 2, 3, 5 (1770), but not of *Cramer*.

Fabricius, Syst. Ent. p. 444. n. 7 (1775); *Sp. Ins.* p. 3. n. 9 (1781); *Mant. Ins.* p. 2. n. 9 (1787); *Ent. Syst.* iii. p. 4. n. 10 (1793).

♂, Mexico, Volcano Orizaba (obtained 1856, collected by M. Sallé); ♀, St. Domingo (collected 1855, by Mr. Tweedie). B.M.

Mr. Doubleday mentions (Westwood's 'Arcana,' p. 143) that *P. Troilus* frequents the flowers of *Cephalanthus occidentalis*, *Anona grandiflora*, &c.

There is one worn specimen of *P. Troilus* in the Banksian Collection, and with it an example of Cramer's *P. Troilus*.

Representative form. Papilio (E. T.) Polyxenes, *Fabricius*, ♂, "affinis *P. Troilo*; alæ anticæ magnæ, fasciis duabus parallelis macularibus flavis et margine flavo variegato; posticæ atræ, fasciis flavis anguloque ani fulvo, puncto nigro; subtus concolores, at maculæ majores magis fulvæ: habitat in America." P. Asterias, *Fabr. Mant. Ins.*

Fabricius, Syst. Ent. p. 444. n. 10 (1775); *Sp. Ins.* p. 4. n. 13 (1781); *Mant. Ins.* p. 2. n. 13 (1787); *Ent. Syst.* iii. p. 6. n. 16 (1793).

♂, La Chine, near Montreal (presented by Dr. Barnston); ♀, New York (presented by E. Doubleday, Esq.). B.M.

This has nothing to do with Cramer's *P. Policenes*, the latter being an African species.

53. Papilio Palamedes.

Papilio (E. A.) Chalcas, *Fabricius* [P. Palamedes, *Drury* nec *Fabricius*], "alis caudatis, nigris, fasciis duabus macularibus, flavis; posticis subtus vitta flava lunulisque rufis: habitat in America." *Ill.* i. pl. 19. figs. 1, 2 (1770).

Fabricius, Syst. Ent. p. 453. n. 44 (1775).

Chalcus (*sic*), *Fabricius, Sp. Ins.* p. 18. n. 70 (1781); *Mant. Ins.* p. 9. n. 80 (1787); *Ent. Syst.* iii. p. 31. n. 90 (1793).

♂ ♀, Georgia. (Probably from Mr. Abbot) B.M.

Mr. Doubleday observed this species in cotton-fields and pathways in woods (see Westwood's 'Arcana,' p. 68).

The *P. Palamedes* of Fabricius is identical with *P. Acamas* of the same author.

54. Papilio Menestheus.

Papilio (E. A.) Menestheus, *Drury*, "alis caudatis, nigris, subtus albido striato-maculatis; posticis lunulis rufis cærulescentibusque: habitat in India." *Ill.* ii. pl. 9. figs. 1, 2 (1773).

Fabricius, Syst. Ent. p. 454. n. 46 (1775); *Sp. Ins.* p. 18. n. 74 (1781); *Mant. Ins.* p. 10. n. 85 (1787); *Ent. Syst.* iii. p. 31. n. 91 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

There is one specimen of *P. Menestheus* in the Banksian Collection in the British Museum.

55. Papilio Nireus.

♀. Papilio (E. A.) Nireus, *Linnæus*, "alis dentatis, nigris, fascia inaurato-viridi; subtus nigricantibus: habitat in India." *Clerck, Icones*, pl. 30. fig. 1 (1764).

Fabricius, Syst. Ent. p. 457. n. 58 (1775); *Sp. Ins.* p. 23. n. 93 (1781); *Mant. Ins.* p. 12. n. 111 (1787); *Ent. Syst.* iii. p. 36. n. 106 (1793).

Cape of Good Hope. (Presented by Dr. Andrew Smith) B.M.

According to Mr. Trimen*, a very common insect, of powerful and

* See Rhop. Africæ Austr. p. 16.

rapid flight, soaring over the highest forest trees; it settles frequently on flowers, especially *Plumbago capensis*.

There is one mutilated specimen of *P. Nireus* in the Banksian Collection; the male is figured by Cramer, Pap. Exot. iv. pl. 378. figs. F, G (1782).

56. Papilio Phorbanta.

♂. Papilio (E. T.) Phorbanta, *Linnæus*, "alis caudatis, nigris, cæruleo maculatis; posticarum fascia interrupta, subtus alba: habitat in Caienna."

♂. Papilio (E. T.) Manlius, *Fabricius*, "alis dentatis, caudatis, atris, viridi maculatis; posticis subtus striga macularum albarum: habitat in Isle de France."

♀. Papilio (E. T.) Grachus, *Fabricius*, "alis dentato-caudatis, atris, viridi maculatis; posticis subtus fascia sesquialtera glauca: habitat in Isle de France."

Fabricius, Syst. Ent. p. 445. n. 11 (1775); *Sp. Ins.* p. 4. n. 14 (1781); *Mant. Ins.* p. 2. n. 14 (1787); *Ent. Syst.* iii. p. 6. n. 17 (1793); *Ent. Syst.* suppl. p. 422. n. 30, 31 (1798).

♂ ♀, Mauritius. (From Dr. Beke, 1857) B.M.

P. Phorbanta is figured by Jablonsky (Natursyst. Schmett. i. pl. 12. fig. 3: 1783); the band of the under surface is of a dead golden colour, not white.

57. Papilio Phorcas.

♂. Papilio (E. A.) Doreus, *Fabricius* [P. Phorcas, *Cramer*], "alis dentatis, fascia supra viridi, subtus alba: habitat in Sierra Leon." *Pap. Exot.* i. pl. 2. figs. B, C (1775).

♀. Papilio (E. A.) Thersander, *Fabricius*, "alis obtuse caudatis, fuscis; fascia strigisque macularibus flavis; posticis subtus, disco brunneo nigro lineato: habitat in Sierra Leon." *Westwood, Arc. Ent.* i. pl. 38. figs. 1, 2 (1842).

♂, *Fabricius, Syst. Ent.* p. 457. n. 62 (1775); *Sp. Ins.* p. 18. n. 72 (1781); *Mant. Ins.* p. 10. n. 83 (1787); ♂ ♀, *Ent. Syst.* iii. pp. 32, 68, n. 93, 212 (1793).

♂ ♀, Sierra Leone. (♂ Presented by the Rev. D. F. Morgan) B.M.

The type of *P. Doreus* is in the Banksian Collection; Cramer's figure and description published during the same year, with the Fabrician diagnosis, have perhaps the greater claim to priority.

58. Papilio Brutus.

♂. Papilio (E. A.) Brutus, *Fabricius*, "alis caudatis, albis, limbo nigro, posticis subtus fascia fusca: habitat in Africa æquinoctiali." P. Merope (part.), *Cramer, Pap. Exot.* iii. pl. 378. figs. D, E (1782).

♀. Papilio (E. A.) Hippocoon, *Fabricius*, "alis dentatis, nigris,

albo maculatis, discoque communi albo: habitat in Sierra Leon Africæ."

♂, *Fabricius, Sp. Ins.* p. 13. n. 50 (1781); *Mant. Ins.* p. 7. n. 56 (1787); ♂ ♀, *Ent. Syst.* iii. pp. 22, 38, n. 65, 112 (1793).

♂ ♀, Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

Haunts "woods and copses," and is sometimes found "in gardens, or settling on flowers growing in open ground near woods;" "has a rapid irregular flight."—*Trimen, in Rhop. Afr. Austr.*

Mr. Trimen considers *P. Merope* to be a polymorphic species, of which *P. Hippocoon*, *P. Cenea*, *P. Niavius* (of Cramer), *P. Trophonius*, &c. are females; but since we find that in every case the males taken in the same localities with the several females are, to a slight extent, modified in the same direction, and that all the females do not occur together, it seems more strictly correct to consider the several forms representative species or races of *P. Merope*. The males from South Africa seem to be generally distinguishable by their black tails; they are always much more strongly marked upon the under surface, have more black banding upon the upper surface, and are more compact and shorter in the wing than their West-African representatives: the females, as has already been shown by Mr. Trimen in his admirable paper in the 'Linnean Transactions,' resemble the representative forms of the *Danainæ* of the same country. Of the Western males the most remarkable is the *P. Niavius* of Cramer from Ashanti, the black border of the front wings being noticeable for its great width, and the tails of the hind wings for their length. The male from Sierra Leone has nothing remarkable about it; like its female it is smaller than the Ashanti form, and has comparatively shorter wings; in other respects the two males are very similar. *P. Hippocoon* (the Ashanti form) is amongst the unpublished drawings of Mr. Jones, late of Chelsea; *P. Brutus* is also figured.

59. Papilio Zenobia.

Papilio (N. P.) Zenobia, *Fabricius*, "alis dentatis, nigris, fascia communi alba; posticis subtus basi flavis, nigro striatis: habitat in Sierra Leon." *Stoll, Pap. Exot.* pl. 26. figs. 2, 2*b*.

Fabricius, Syst. Ent. p. 503. n. 255 (1775); *Sp. Ins.* p. 89. n. 393 (1781); *Mant. Ins.* p. 48. n. 475 (1787); *Ent. Syst.* iii. pp. 37, 115, n. 108, 354 (1793).

♂ ♀, Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

The type specimen of *P. Zenobia* is in the Banksian Collection, and is quite distinct from Donovan's species (Nat. Rep. v. pl. 179), the latter being *P. cyprœofila*, Butler (Ent. Month. Mag. vol. v. p. 60); the type is somewhat abnormal, since it agrees with the description "subtus basi flavis, nigro striatis" in having the two basal black spots united into a single streak. The sexes in *P. Zenobia* are much more alike than in its allies; the male seems rare, which may perhaps to some extent account for its *Acræa*-like garb.

60. Papilio Cynorta.

♂. Papilio (E. A.) Cynorta, *Fabricius*, "alis dentatis, nigris, fascia communi nivea; posticis subtus basi flavis, nigro punctatis, striatisque: habitat . . . . . ." *Westwood, Arc. Ent.* i. pl. 40. figs. 3, 4 (1842).

Fabricius, Ent. Syst. iii. p. 37. n. 109 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

Figured amongst the unpublished drawings of the late Mr. Jones.

The *P. Boisduvallianus*, Westwood, which we have also from Sierra Leone, is probably the female of *P. Cynorta*.

61. Papilio Demolion.

Papilio (E. A.) Crespontes, *Fabricius* [P. Demolion, *Cramer*], "alis caudatis, atris, fascia viridi; posticis subtus fascia cærulea: habitat in India orientali." *Pap. Exot.* i. pl. 89. figs. A, B (1779).

Fabricius, Sp. Ins. p. 19. n. 77 (1781); *Mant. Ins.* p. 10. n. 88 (1787); *Ent. Syst.* iii. p. 33. n. 95 (1793).

Java. (Presented by the Hon. East-Ind. Company) B.M.

62. Papilio Polytes.

♀. Papilio (E. T.) Polytes, *Linnæus*, "alis caudatis, nigris, concoloribus; posticis macula quintuplici alba lunulisque rubris, corpore nigro: habitat in Asia." *Clerck, Icon.* pl. 14. fig. 1 (1764).

♂ ♀. Papilio (E. T.) Pammon, *Linnæus*, "alis caudatis, concoloribus, nigris, margine maculatis, posticis fascia maculis septem albis: habitat in Asia." *Clerck, Icon.* pl. 14. fig. 2 (1764).

♀?. Papilio (E. T.) Cyrus, *Fabricius*, "alis caudatis, nigris, margine maculatis, posticis fascia maculari alba, subtus lunulis rubris: habitat . . . . ."

♀ (altera forma). Papilio (E. T.) Astyanax, *Fabricius*, "alis dentatis, concoloribus, nigris; anticis fascia sesquialtera striata alba, posticis rubro maculatis: habitat in India." *Donovan, Ins. Ind.* pl. 23 (1800).

♀. Papilio (E. T.) Mutius, *Fabricius* [P. Romulus, *Cramer*], "alis caudatis, nigris; anticis fascia alba, posticis macula quintuplici lunulisque rubris: habitat Tranquebariæ." *Pap. Exot.* i. pl. 43. fig. A (1776).

♂ ♀, *Fabricius, Syst. Ent.* pp. 442, 445, n. 2, 13 (1775); *Sp. Ins.* pp. 2, 4, n. 4, 16 (1781); *Mant. Ins.* pp. 1, 3, n. 5, 16 (1787); *Ent. Syst.* iii. pp. 2, 3, 7, 13, n. 5, 6, 19, 20, 37 (1793).

♂ ♀, Ceylon. (Presented 1852, by Dr. R. Templeton, collected by Mrs. Templeton; also the ♀ = *P. Romulus*) B.M.

This species, according to Capt. Lang (Proc. Zool. Soc. 1865), is rare in the Himalayas, and is found at low elevations; according to Swinhoe (P. Z. S. 1866) it is found in gardens, but is not common.

This remarkable *Papilio* has, as Mr. Wallace has shown, three distinct forms of females, all of which we have from Ceylon; in the Banksian Collection there are two specimens of *P. Polytes* and two of *P. Pammon*, all much worn.

63. Papilio Severus.

Papilio (E. T.) Helenus (part.), *Fabricius* [P. Severus, *Cramer*], "habitat in Amboina." *Cramer, Pap. Exot.* iii. pl. 277. figs. A, B (1782).

Fabricius, Mant. Ins. p. 1. n. 3 (1787); *Ent. Syst.* iii. p. 2. n. 3 (1793).

Amboina. (Collected 1859, by A. R. Wallace, Esq.) B.M.

64. Papilio Helenus.

Papilio (E. T.) Helenus, *Linnæus*, "alis caudatis, nigris; posticis macula alba, subtus tribus albidis lunulisque septem ferrugineis: habitat in Asia." *Clerck, Icon.* pl. 13. fig. 2 (1764).

Fabricius, Syst. Ent. p. 443. n. 5 (1775); *Sp. Ins.* p. 3. n. 7 (1781).

Colombo, Ceylon. (Obtained 1857, collected by Dr. Nietner) B.M.

There are two mutilated specimens of *P. Helenus* in the Banksian Collection in the British Museum.

65. Papilio Amphitrion.

Papilio (E. A.) Amphitrion, *Cramer*, "alis dentatis, nigris, fascia inæquali flava; posticis subtus striga e punctis flavis lunulisque cyaneis: habitat in America." *Pap. Exot.* i. pl. 7. figs. A, B (1775).

Fabricius, Syst. Ent. suppl. p. 253. n. 60, 61 (1776?); *Sp. Ins.* p. 24. n. 96 (1781); *Mant. Ins.* p. 12. n. 112 (1787); *Ent. Syst.* iii. p. 37. n. 111 (1793).

Not in the collection of the British Museum.

66. Papilio Ulysses.

♂. Papilio (E. A.) Ulysses, *Linnæus*, "alis caudatis, nigris, disco cæruleo, radiante; posticis subtus ocellis septem: habitat in Asia." *Clerck, Icon.* pl. 23. fig. 1 (1764); *Donovan, Ins. Ind.* pl. 18 (1800).

♀. Papilio (E. A.) Diomedes, *Linnæus*, "alis caudatis, nigris; supra introrsum viridibus, posticis lunulis cyaneis: habitat in Indiis." *Seba, Mus.* iv. pl. 47. figs. 11, 12; and var., *Cramer, Pap. Exot.* ii. pl. 122 (1779).

♂ ♀, *Fabricius, Syst. Ent.* p. 450. n. 33, 35 (1775); *Sp. Ins.* pp. 13, 14, n. 52, 54 (1781); *Mant. Ins.* p. 7. n. 58, 60 (1787); *Ent. Syst.* iii. p. 23. n. 67, 68 (1793).

Amboina. (Obtained 1858, collected by A. R. Wallace, Esq.) B.M.

67. **Papilio Peranthus.**

Papilio (E.T.) Peranthus, *Fabricius*, "alis dentato-caudatis, nigris; supra basi viridibus, subtus apice pallidis; posticis lunulis septem fulvis: habitat in Cochin China." *Donovan, Ins. China*, pl. 26 (1798).

Fabricius, Mant. Ins. p. 4. n. 33 (1787); *Ent. Syst.* iii. p. 15. n. 44 (1793).

Java. (Presented by the Hon. East-Ind. Company) B.M.

The type specimen of *P. Peranthus* is in the Banksian Collection; it is slightly larger than specimens from Java, but does not otherwise differ from them.

68. **Papilio Crino.**

Papilio (E. T.) Crino, *Fabricius*, "alis caudatis, nigris, atomis viridi-aureis, fascia communi cæruleo-viridi; posticis subtus lunulis viridibus cæruleis cinereisque: habitat in Africa." *Donovan, Ins. Ind.* pl. 22 (1800).

Fabricius, Ent. Syst. iii. p. 5. n. 13 (1793).

Ceylon. (Presented 1852, by Dr. R. Templeton, collected by Mrs. Templeton) B.M.

Found by A. E. Russell, Esq., on the plains of Bengal, near the sea (Proc. Zool. Soc. 1865).

69. **Papilio Palinurus.**

Papilio (E. T.) Palinurus, *Fabricius*, "alis caudatis, nigris, atomis viridi-aureis, fascia communi cæruleo-viridi: habitat Tranquebariæ."

Fabricius, Mant. Ins. p. 2. n. 10 (1787); *Ent. Syst.* iii. p. 5. n. 12 (1793).

Coimbatoor, South India. (Presented 1861, by M. J. Walhouse, Esq.) B.M.

70. **Papilio Paris.**

Papilio (E. T.) Paris, *Linnæus*, "alis caudatis, nigris; posticis macula cyanea ocelloque purpureo; subtus ocellis septem: habitat in Asia." *Clerck, Icon.* pl. 13. fig. 1 (1764); *Donovan, Ins. Ind.* pl. 23 (1800).

Fabricius, Syst. Ent. p. 442. n. 1 (1775); *Sp. Ins.* p. 1. n. 1 (1781).

P. Pavis* (*sic*), *Fabricius, Mant. Ins.* p. 1. n. 1 (1787); *Ent. Syst.* iii. p. 1. n. 1 (1793).

Nepal. (Presented 1867, by Dr. Wright, of the British Museum) B.M.

There is one mutilated specimen of *P. Paris* in the Banksian Collection; the rudimentary green band in the front wings seems to be incorrectly placed in Donovan's figure, making the insect look something like *P. Polyctor*.

* Described as "subtus lunulis septem."

71. Papilio Bianor.

Papilio (E. T.) Bianor, *Cramer*, "alis caudatis, subconcoloribus, nigris; posticis lunulis quinque rufis: habitat in China." *Pap. Exot.* ii. pl. 103. fig. C (1779).

Fabricius, Sp. Ins. p. 1. n. 2 (1781); *Mant. Ins.* p. 1. n. 2 (1787); *Ent. Syst.* iii. p. 1. n. 2 (1793).

Shanghai, China. (Obtained 1854, collected by Mr. Fortune) B.M.

72. Papilio Deiphobus.

Papilio (E. T.) Deiphobus, *Linnæus*, "alis caudatis, nigris, subtus basi rubro maculatis; posticis maculis septem rubris, subannularibus: habitat in Asia." *Clerck, Icon.* pl. 25. fig. 6 (1764); *Donovan, Ins. Ind.* pl. 17. fig. 2 (1800).

Fabricius, Syst. Ent. p. 444. n. 8 (1775); *Sp. Ins.* p. 3. n. 10 (1781); *Mant. Ins.* p. 2. n. 12 (1787); *Ent. Syst.* iii. p. 5. n. 14 (1793).

Bouru. (Obtained 1862, collected by A. R. Wallace, Esq.) B.M.

73. Papilio Polymnestor.

Papilio (E. T.) Polymnestor, *Cramer*, "alis dentatis, subconcoloribus, nigris; posticis apice cærulescentibus, nigro maculatis: habitat in Asia." *Pap. Exot.* i. pl. 53. figs. A, B (1779); *Donovan, Ins. Ind.* pl. 23 (1800).

Fabricius, Sp. Ins. p. 9. n. 35 (1781); *Mant. Ins.* p. 5. n. 38 (1787); *Ent. Syst.* iii. p. 18. n. 55 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

74. Papilio Memnon.

Papilio (E. T.) Memnon, *Linnæus*, "alis dentatis, nigris; posticis subtus macula difformi rubra anguli ani: habitat in China." *Cramer, Pap. Exot.* i. pl. 91. fig. C (1779).

Fabricius, Sp. Ins. p. 6. n. 23 (1781), nec *Syst. Ent.*; *Mant. Ins.* p. 4. n. 25 (1787); *Ent. Syst.* iii. p. 12. n. 36 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

Var. Papilio (E. T.) Agenor, *Linnæus*, "alis dentatis, nigris, basi sanguineis; posticis disco albo, maculis nigris: habitat in China." *Clerck, Icon.* pl. 15 (1764); *Donovan, Ins. China*, pl. 24. fig. 2 (1798).

Fabricius, Syst. Ent. p. 446. n. 18 (1775); *Sp. Ins.* p. 7. n. 25 (1781); *Mant. Ins.* p. 4. n. 27 (1787); *Ent. Syst.* iii. p. 13. n. 39 (1793).

Hong-Kong, China. (Obtained 1853, collected by Mr. Harrington) B.M.

Var. Papilio (E. T.) Achates, *Cramer*, "alis caudatis, subconco-

loribus nigris, basi rufis; posticis macula octuplici alba: habitat in China." *Pap. Exot.* ii. pl. 182. figs. A, B (1779).

Fabricius, Sp. Ins. p. 5. n. 19 (1781); *Mant. Ins.* p. 3. n. 19 (1787); *Ent. Syst.* iii. p. 9. n. 24 (1793).

Moulmein, East Indies. (Obtained 1843, from Archdeacon Clerk) B.M.

Var. Papilio (E.T.) Alphenor, *Fabricius* [P. Alcanor, *Cramer*], "alis caudatis, concoloribus, fuscis, basi atris, maculis anticarum rufa, posticarum albis: habitat in China." *Pap. Exot.* ii. pl. 166. fig. A (1779).

Fabricius, Sp. Ins. p. 4. n. 11 (1781).

Nepal. (Presented by Major-General Thomas Hardwicke) B.M.

There are two specimens of *P. Memnon*, one of *P. Agenor*, and one of *P. Achates* in the Banksian Collection: the last mentioned is variety *i* of G. R. Gray, forma γ (part.) of Felder; *P. Alphenor* is variety *k* of Gray, forma γ (part.) of Felder, and variety β of *P. Achates* according to Fabricius in his 'Mantissa Insectorum,' p. 3. n. 19 (1787).

75. Papilio Protenor.

Papilio (E. T.) Protenor, *Cramer*, "alis dentatis, nigris; posticis subtus macula difformi rubra anguli ani: habitat Surinami." *Pap. Exot.* i. pl. 49. figs. A, B (1779).

♀. Papilio (E. T.) Laomedon, *Fabricius*, "alis dentatis; anticis fuscis; posticis nigris, macula duplici rufa anguli ani: habitat in China." *Donovan, Ins. China*, pl. 25 (1798).

♂, P. Memnon, *Fabricius, Syst. Ent.* p. 446. n. 17 (1775); *Sp. Ins.* p. 7. n. 24 (1781); *Mant. Ins.* p. 4. n. 26 (1787); ♂ ♀, *Ent. Syst.* iii. pp. 12, 13, n. 35, 38 (1793).

China. (Presented 1845, by G. T. Lay, Esq.) B.M.

According to Capt. Lang *, this is a social species; it affects marshy waste ground overgrown with *Compositæ*; its flight is lazy. Capt. Lang took it at an elevation of 4000 to 7000 feet.

There is one specimen of *P. Protenor* in the Banksian Collection in the British Museum.

76. Papilio Coon.

Papilio (E. T.) Coon, *Fabricius*, "alis caudatis, concoloribus; anticis fuscis; posticis nigris, basi albo maculatis, maculaque duplici anguli ani flava: habitat in China." *Donovan, Ins. China*, pl. 24. fig. 1 (1798).

Fabricius, Ent. Syst. iii. p. 10. n. 27 (1793).

Java. (Presented by the Hon. East-India Comp.) B.M.

* Proc. Zool. Soc. 1865.

77. Papilio Polydorus.

Papilio (E. T.) Polydorus, *Linnæus*, "alis subcaudatis, nigris, concoloribus; posticis macula alba suturis sexfida lunulisque septem rubris: habitat in India." *Clerck, Icon.* pl. 33. fig. 2 (1764).

Fabricius, Syst. Ent. p. 446. n. 15 (1775); *Sp. Ins.* p. 6. n. 20 (1781); *Ent. Syst.* iii. p. 9. n. 26 (1793).

Aru Islands. (Obtained 1858, collected by A. R. Wallace, Esq.) B.M.

P. Polydorus is represented in the Banksian Collection by two specimens of *P. Diphilus*, Esper.

78. Papilio Aristolochiæ.

Papilio (E. T.) Aristolochiæ, *Fabricius*, "alis caudatis, nigris, concoloribus; posticis fascia maculari alba lunulisque rubris, capite caudaque sanguineis:" "statura et nimia affinitas præcedentis [*P. Polytes*], at caput, latera corporis et apex abdominis sanguinea: habitat in India orientali."

Papilio (E. T.) Polydorus, *Jablonsky*, "alis caudatis, concoloribus, nigris; posticis macula alba suturis sexfida lunulisque septem rubris." *Natursyst. Schmett.* i. pl. 15. fig. 3.

Fabricius, Syst. Ent. p. 443. n. 3 (1775).

P. Polydorus (part.), *Fabricius, Mant. Ins.* p. 3. n. 21 (1787).

Ceylon. (Presented 1852, by Dr. R. Templeton, collected by Mrs. Templeton) B.M.

This is the Ceylonese representative of *P. Diphilus*, Esper (*P. Diphilus*, var. *c* of G. R. Gray); it is represented in the Banksian Collection by two specimens of *P. Diphilus* proper, labelled "*P. Polydorus*."

79. Papilio Theseus.

♀. Papilio (E. T.) Theseus, *Cramer*, "alis caudatis, concoloribus, fuscis; posticis lunulis novem rubris, albo punctatis: habitat in insula Sumatra." *Pap. Exot.* ii. pl. 153. fig. B (1779).

♂. Papilio (E. T.) Antiphus, *Fabricius*, "alis caudatis, concoloribus, nigris; posticis lunulis septem rubris: habitat in India." *Donovan, Ins. Ind.* pl. 15. fig. 2 (1800).

Fabricius, Sp. Ins. p. 2. n. 3 (1781); *Mant. Ins.* p. 1. n. 4 (1787); *Ent. Syst.* iii. pp. 2, 10, n. 4, 28 (1793).

Java. B.M.

P. Antiphus is not described in the 'Systema Entomologiæ' (see G. R. Gray's Catalogue, p. 11. n. 37), so that the name *P. Theseus* will take priority.

80. Papilio Hector.

Papilio (E. T.) Hector, *Linnæus*, "alis caudatis, nigris, concoloribus; anticis fascia alba; posticis maculis rubris: habitat in Indiis." *Clerck, Icon.* pl. 33. fig. 1 (1764).

Fabricius, Syst. Ent. p. 443. n. 4 (1775); *Sp. Ins.* p. 2. n. 5 (1781); *Mant. Ins.* p. 1. n. 6 (1787); *Ent. Syst.* iii. p. 3. n. 7 (1793).

Madras. (Presented 1859, by the Zoological Society of London, from the Vigorsian collection) B.M.

There are two fair specimens of *P. Hector* in the Banksian Collection in the British Museum.

81. **Papilio Antenor.**

Papilio (E. T.) Antenor, *Drury*, "alis caudatis, concoloribus, atris, albo maculatis; posticis lunulis marginalibus rubris: habitat in India." *Ill.* ii. pl. 3. fig. 1 (1773); *Donovan, Ins. Ind.* pl. 15. fig. 1 (1800).

Fabricius, Syst. Ent. p. 443. n. 6 (1775); *Sp. Ins.* p. 3. n. 8 (1781); *Mant. Ins.* p. 2. n. 8 (1787); *Ent. Syst.* iii. p. 4. n. 9 (1793).

Madagascar. (Obtained 1854, formerly in the possession of Dr. Lyall) B.M.

Genus 5. LEPTOCIRCUS, *Swainson*,

Zool. Ill. ii. ser. 3. p. 106 (1833).

1. **Leptocircus Curius.**

Papilio (E. A.) Curius, *Fabricius*, "alis caudatis, concoloribus, atris; anticis fasciis duabus hyalinis; posticis unica alba: habitat in Siam." *Donovan, Ins. Ind.* pl. 47. fig. 1 (1800).

Fabricius, Mant. Ins. p. 9. n. 71 (1787); *Ent. Syst.* iii. p. 28. n. 81 (1793).

Java. B.M.

Affects hill-slopes, according to A. Grote, Esq.

The type specimen of *P. Curius* is in the Banksian Collection; it agrees well with Donovan's figure, and is distinct from the *P. Curius* of recent authors, which has quite a green band upon the dark basal area of the upper surface; the latter species, which we have from Java and Moulmein, may now take the name of *L. virescens*.

Family V. HESPERIDÆ, *Leach*,

Sam. Comp. p. 242 (1819).

Genus 1. GONIURIS, *Hübner*,

Verz. bek. Schmett. p. 104 (1816).

1. **Goniuris Proteus.**

Papilio (P. U.) Proteus, *Linnæus*, "alis caudatis, fuscis, maculis fenestratis; antennis uncinatis: habitat in Americes *gramine*." *Clerck, Icones*, pl. 42. figs. 1, 2 (1764).

Fabricius, Syst. Ent. p. 532. n. 379 (1775); *Sp. Ins.* p. 132. n. 606 (1781); *Mant. Ins.* p. 85. n. 776 (1787); *Ent. Syst.* iii. p. 331. n. 256 (1793).

Cayenne. (Presented 1846, by W. C. Hewitson, Esq.) B.M.

There is one specimen (a slight variety) in the Banksian Collection in the British Museum.

Subgenus 1. EUDAMUS, *Swainson*,
Zool. Ill. 2nd ser. *Hesperidæ* (1833).

1. Eudamus Orion.

Papilio (P. U.) Orion, *Clerck & Cramer*, "alis caudatis, fuscis, anticis maculis fenestratis, posticis caudis albis: habitat Surinami." *Icones*, pl. 42. fig. 3 (1764); *Pap. Exot.* ii. pl. 155. figs. A, B (1779).

Fabricius, Sp. Ins. p. 132. n. 605 (1781); *Ent. Syst.* iii. p. 330. n. 254 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

The *P. Orion* of Drury represents this species in the Banksian Collection.

2. Eudamus Doryssus.

Papilio (P. U.) Orion, *Drury* [P. Doryssus, *Swainson*], *Zool. Ill.* 2nd ser. pl. *Eudamus*, fig. 2 (1833); *Drury, Ill.* iii. pl. 17. figs. 3, 4 (1782).

Fabricius, Mant. Ins. p. 85. n. 774 (1787).

Brazil. (Obtained 1840, from Mr. Children's collection) B.M.

3. Eudamus Eudoxus.

Papilio (P. U.) Eudoxus, *Cramer*, "alis caudatis, fuscis, anticis utrinque, posticis subtus fascia alba: habitat Surinami." *Pap. Exot.* iv. pl. 366. figs. G, H (1782).

Fabricius, Mant. Ins. p. 85. n. 775 (1787); *Ent. Syst.* iii. p. 331. n. 255 (1793).

Not in the British-Museum collection.

4. Eudamus Aunus.

Papilio (P. U.) Aunus, *Fabricius*, "alis ecaudatis, fuscis, anticis fascia, posticis margine albis: habitat in Africa æquinoctiali; in America." (*Mant. Ins.*) "Nais, *Hübner*," in B.M.

Fabricius, Sp. Ins. p. 134. n. 618 (1781).

P. Ammon *and* Brontes, *Mant. Ins.* p. 87. n. 791 (1787); *Ent. Syst.* iii. p. 335. n. 275 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

The type of *P. Aunus* is in the Banksian Collection, and is correctly figured in the unpublished 'Icones' of the late Mr. Jones of Chelsea.

Subgenus 2. PHANUS, *Hübner*,
Verz. bek. Schmett. p. 114 (1816).

1. Phanus Vitreus.

Papilio (P. U.) Momus, *Fabricius* [P. Vitreus, *Cramer*], "alis subcaudatis, fuscis, basi hyalino striatis, apice maculatis: habitat Caiennæ." *Pap. Exot.* iv. pl. 366. fig. D (1782).

Fabricius, Mant. Ins. p. 86. n. 785 (1787); *Ent. Syst.* iii. p. 334. n. 268 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

Subgenus 3. TELEGONUS, *Hübner*,
Verz. bek. Schmett. p. 104 (1816).

1. Telegonus Apastus.

Papilio (P. U.) Acastus (*sic*), *Fabricius* [P. Apastus, *Cramer*], "alis subcaudatus, atris, anticis fascia nivea; posticis subtus virescentibus, strigis abbreviatis flavis: habitat Surinami." *Pap. Exot.* ii. pl. 111. figs. D, E (1779).

Fabricius, Sp. Ins. p. 133. n. 614 (1781); *Mant. Ins.* p. 87. n. 788 (1787); *Ent. Syst.* iii. p. 335. n. 272 (1793).

Brazil. (Obtained 1843) B.M.

2. Telegonus Talus.

Papilio (P. U.) Coridon (part.), *Fabricius* [P. Talus, *Cramer*]. *Pap. Exot.* i. pl. 76. fig. D (1779).

Fabricius, Sp. Ins. p. 134. n. 616 (1781); *Mant. Ins.* p. 87. n. 790 (1787).

Brazil. (Obtained 1848) B.M.

3. Telegonus Fulgurator.

♀. Papilio (P. U.) Thrax (part.), *Fabricius* [P. Fulgurator, *Walch*], "alis ecaudatis, fuscis, maculis aliquot fenestratis, antennis uncinatis: habitat in India." *Naturforscher*, vii. pl. 1. figs. 2*a*, 2*b* (1775).

♂. Hesperia (U.) Mercatus, *Fabricius*, "alis subcaudatis, atris,

anticis maculis hyalinis; posticis subtus fuscis, fascia baseos alba: habitat in Indiis." *Jones, Icones ined.*

Fabricius, Sp. Ins. p. 134. n. 620 (1781); *Ent. Syst.* iii. pp. 332, 337, n. 260, 282 (1793).

Venezuela. (Obtained 1847, from Mr. Dyson's collection) B.M.

There is one specimen of *P. Fulgurator* in the Banksian Collection in the British Museum.

4. Telegonus Thrax.

Papilio (P. U.) Thrax, *Linnæus*, "alis ecaudatis, fuscis, maculis aliquot fenestratis, antennis uncinatis: habitat in India." *Donovan, Ins. Ind.* pl. 49. fig. 2 (1800).

Fabricius, Syst. Ent. (part.) p. 533. n. 388 (1775).

Menado, Celebes. (Obtained 1855, collected by Madame Ida Pfeiffer) B.M.

There has been more confusion with regard to this species than with any other *Hesperidian* butterfly; even Linnæus quoted a figure which did not at all agree with his type.

5. Telegonus Thyrsis.

Papilio (P. U.) Thyrsis, *Fabricius*, "alæ anticæ fuscæ, fascia media flava et punctis tribus parvis ad apicem; posticæ pilosæ, fuscæ, immaculatæ; subtus omnes purpurascentes, atomis innumeris et anticis fascia maculisque tribus apicis flavis: habitat in America." P. Pandia, *Moore, Proc. Zool. Soc.* p. 790 (1865).

Fabricius, Syst. Ent. p. 532. n. 383 (1775); *Mant. Ins.* p. 86. n. 781 (1787); *Ent. Syst.* iii. p. 333. n. 264 (1793).

Moulmein, E. Indies. (Presented 1843, by Archdeacon Clerk) B.M.

This species has nothing to do with Cramer's *P. Hiarbus* or Donovan's *P. Celsus*, with which it is placed in the 'Genera of Diurnal Lepidoptera;' it comes nearest to *P. Thrax*.

6. Telegonus Lucas. Pl. III. fig. 4.

Hesperia (U.) Lucas, *Fabricius*, "alis ecaudatis, fuscis; anticis utrinque maculis flavo-hyalinis: habitat in Americæ meridionalis Insulis."

Fabricius, Ent. Syst. iii. p. 339. n. 290 (1793).

Brazil. (Obtained 1848) B.M.

In appearance something like a very small *P. Thrax*.

7. Telegonus Muretus.

Hesperia (U.) Muretus, *Fabricius*, "alis subcaudatis, fuscis, hyalino maculatis: habitat in Indiis."

Fabricius, Ent. Syst. iii. p. 332. n. 259 (1793).

Not in the collection of the British Museum.

This species is figured in Jones's 'Icones.'

8. **Telegonus Tityrus.**

Papilio (P. U.) Tityrus, *Fabricius*, "alis subcaudatis, fuscis; anticis utrinque fascia flava, posticis subtus nivea: habitat in America." P. Clarus, *Cramer, Pap. Exot.* i. pl. 41. figs. E, F (1776).

Fabricius, Syst. Ent. p. 532. n. 382 (1775); *Sp. Ins.* p. 132. n. 607 (1781); *Mant. Ins.* p. 85. n. 777 (1787); *Ent. Syst.* iii. p. 331. n. 258 (1793).

Ohio. (Presented 1839, by E. Doubleday, Esq.) B.M.

The type of *P. Tityrus* is in the Banksian Collection. Fabricius refers to Petiver (Gazoph. ii. pl. 32. fig. 5) for a figure of his species; but on turning to Petiver's type (still in his old collection) the latter proves to be *P. Lysidas* of Smith and Abbot, figured in Hübner's 'Zuträge,' figs. 621, 622). In his 'Mantissa' Fabricius compares *P. Tityrus* to the nearly allied *P. Cœlus* of Cramer (Pap. Exot. iv. pl. 343. figs. C, D).

9. **Telegonus Anaphus.**

Papilio (P. U.) Anaphus, *Cramer*, "alis ecaudatis, concoloribus, fuscis; posticis apice flavis: habitat Surinami." *Pap. Exot.* ii. pl. 178. fig. F (1779).

Fabricius, Sp. Ins. p. 135. n. 625 (1781); *Mant. Ins.* p. 89. n. 804 (1787); *Ent. Syst.* iii. p. 343. n. 304 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

10. **Telegonus Vespasius.**

Hesperia (U.) Vespasius, *Fabricius*, "alis subcaudatis, ferrugineis, fuscis; anticis apice punctis flavescentibus: habitat in Indiis."

Var. Hesperia (U.) Cassander, *Fabricius*, "alis ecaudatis, concoloribus, fuscis immaculatis: habitat . . . . ." *Donovan, Nat. Rep.* iv. pl. 136 (1826).

Fabricius, Ent. Syst. iii. pp. 334, 337, n. 269, 280 (1793).

We have a species, probably identical with this species, from Nicaragua. In the 'Genera of Diurnal Lepidoptera,' *P. Cassander* is referred to the genus *Goniloba*.

11. **Telegonus Midas.**

Papilio (P. U.) Rhetus, *Fabricius* [P. Midas, *Cramer*], "alis subcaudatis, fulvis; posticis margine exteriore cæruleo-atris: habitat Surinami." *Pap. Exot.* i. pl. 63. fig. G (1779).

Fabricius, Sp. Ins. p. 133. n. 612 (1781); *Mant. Ins.* p. 86. n. 786 (1787); *Ent. Syst.* iii. p. 334. n. 270 (1793).

Venezuela. (Obtained 1847, from Mr. Dyson's collection) B.M.

Subgenus 4. **MYSCELUS**, *Hübner*,
Verz. bek. Schmett. p. 111 (1816).

1. Myscelus nobilis.

Papilio P. U. Salus, *Fabricius* [P. nobilis, *Cramer*], "alis dentatis, fulvis, nigro maculatis maculisque albis post fenestratis: habitat Surinami." *Pap. Exot.* iii. pl. 198. figs. A, B (1779).

Fabricius, Sp. Ins. p. 155. n. 622 (1781); *Mant. Ins.* p. 88. n. 801 (1787); *Ent. Syst.* iii. p. 342. n. 390 (1793).

Amazons, "Yurua." (Obtained 1858, collected by M. Degrand) B.M.

In his 'Ent. Syst.' Fabricius slightly altered his description of this species, but did not quote Cramer's figure, to which his modified diagnosis perfectly applies.

2. Myscelus Assarica.

Hesperia (U.) Alsarius, *Fabricius* [P. Assaricus, *Cramer*], "alis dentatis, atris; anticis maculis flavis albisque, posticis disco flavo parietis nigris: habitat in Indiis." *Pap. Exot.* iii. pl. 261. figs. F, G (1782).

Fabricius, Ent. Syst. iii. p. 343. n. 393 (1793).

Brazil*. (Obtained 1842) B.M.

P. Assaricus is referred, in the 'Genera,' to the genus *Pyrrhopyga*.

Genus 2. **PROTEIDES**, *Hübner*,
Verz. bek. Schmett. p. 105 (1816).

1. Proteides Epitus.

Papilio (P. U.) Epitus, *Cramer*, "alis subcaudatis, fuscis, flavo maculatis; posticis subtus fascia argentea: habitat Surinami." *Pap. Exot.* iv. pl. 343. figs. E, F (1782).

Fabricius, Mant. Ins. p. 86. n. 778 (1787); *Ent. Syst.* iii. p. 332. n. 261 (1793).

Tapajos, Lower Amazons. (Obtained 1854, collected by H. W. Bates, Esq.) B.M.

2. Proteides Coridon. Pl. III. fig. 6.

♂. Papilio (P. U.) Coridon, *Fabricius*, "alis subcaudatis, fuscis; anticis flavo maculatis; posticis subtus fusco glaucoque variis: habitat in Jamaica." Hesperia Adela, *Hewitson, Exot. Butterf.* iii. *Hesp.* pl. 1. figs. 1–3 (1867).

Fabricius, Syst. Ent. p. 533. n. 385 (1775).

* This species bears a label with the name "*P. Janthibaris*, Latr.," inscribed upon it.

H. (U.) Phocion, *Fabricius, Ent. Syst.* iii. p. 235. n. 274 (1793).

Jamaica. (Obtained 1845, from Mr. Gosse) B.M.

This species is figured in Jones's 'Icones' with six hyaline spots in the anterior wings.

3. Proteides Amyntas.

Papilio (P. U.) Amyntas, *Fabricius*, "alis subcaudatis, fuscis, fenestrato-maculatis: alæ posticæ supra immaculatæ; subtus glaucæ, fasciis tribus obscurioribus et puncto distincto atro ad basin: habitat in America."

Fabricius, Syst. Ent. p. 533. n. 384 (1775).

Jamaica. (Obtained 1846, from Mr. Gosse) B.M.

This species has hitherto stood in collections as "*Goniloba Savignyi*;" it is figured in Jones's unpublished 'Icones.'

4. Proteides Ericus.

Hesperia (U.) Ericus, *Fabricius*, "alis subcaudatis, fuscis, punctis anticis fenestratis minutis; posticis subtus macula postica flavescente: habitat in India orientali."

Fabricius, Ent. Syst. Suppl. p. 432. n. 267, 268 (1798).

Seems to be closely allied to *P. Badra* of Moore, in the Horsfield Cabinet.

5. Proteides Idas.

Papilio (P. U.) Mercurius, *Fabricius* [P. Idas, *Cramer*], "alis subcaudatis, fuscis, basi flavis; anticis punctis hyalinis; posticis subtus nigris, fascia cinerea: habitat Caiennæ." *Pap. Exot.* iii. pl. 260. figs. A, B (1782).

Fabricius, Mant. Ins. p. 86. n. 780 (1787); *Ent. Syst.* iii. p. 333. n. 263 (1793).

Honduras. (Obtained 1845, from Mr. Dyson) B.M.

6. Proteides Clonias.

Papilio (P. U.) Clonias, *Cramer*, "alis subcaudatis, atris; anticis fascia nivea, posticis cærulescentibus; ano sanguineo: habitat Surinami." *Pap. Exot.* i. pl. 80. figs. C, D (1779).

Fabricius, Sp. Ins. p. 133. n. 613 (1781); *Mant. Ins.* p. 87. n. 787 (1787); *Ent. Syst.* iii. p. 334. n. 271 (1793).

Rio Janeiro. (Presented 1849, by E. Doubleday, Esq.) B.M.

7. Proteides Helops.

Hesperia (U.) Ennius, *Fabricius* [P. Helops, *Drury*], "alis fuscis, anticis hyalino maculatis; posticis supra atris, disco flavo; subtus

fuscis, disco albo: habitat in Indiis." *Ill.* iii. pl. 33. figs. 2, 3 (1782); *Donovan, Ins. Ind.* pl. 51. fig. 1 (1800).
Fabricius, Ent. Syst. iii. p. 337. n. 283 (1793).

West Africa. (Presented 1848, by E. Doubleday, Esq.) B.M.

Subgenus 1. ERYCIDES, *Hübner,*
Verz. bek. Schmett. p. 110 (1816).

1. Erycides Palemon.

Papilio (P. U.) Palemon, *Cramer,* "alis subcaudatis, cærulescentibus; anticis puncto medio, posticis angulo ani rufis: habitat Surinami." *Pap. Exot.* ii. pl. 131. fig. F (1779).
Hesperia (U.) Polybius, *Fabricius,* "alis ecaudatis, atris; anticis macula fulva, posticis angulo ani flavo: habitat in Indiis." *Donovan, Ins. Ind.* pl. 51. fig. 2 (1800).
Fabricius, Sp. Ins. p. 134. n. 615 (1781); *Mant. Ins.* p. 87. n. 789 (1787); *Ent. Syst.* iii. pp. 335, 337, n. 273, 281 (1793).

Pernambuco. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

Subgenus 2. TALIDES, *Hübner,*
Verz. bek. Schmett. p. 106 (1816).

1. Talides Nicias.

Papilio (P. U.) Nicias, *Fabricius,* "alis subcaudatis, fulvis; anticis apice fuscis, macula flavo-hyalina: habitat Caiennæ."
Fabricius, Mant. Ins. p. 86. n. 779 (1787); *Ent. Syst.* iii. p. 332. n. 262 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

In the 'Genera of Diurnal Lepidoptera,' *P. Nicias* is referred to the genus *Goniloba.*

2. Talides Phocus.

Papilio (P. U.) Amyntas (part.), *Fabricius* [P. Phocus, *Cramer*]. *Pap. Exot.* ii. pl. 162. fig. F (1779).
Fabricius, Sp. Ins. p. 133. n. 611 (1781); *Mant. Ins.* p. 86. n. 784 (1787).
Hesperia (U.) Phocas, *Fabricius, Ent. Syst.* iii. p. 334. n. 267 (1793).

Brazil. (Obtained 1840, from Mr. Children's collection) B.M.

This species does not at all agree with the original Fabrician description of *P. Amyntas,* "alæ posticæ supra immaculatæ; subtus puncto distincto atro ad basin."

3. Talides Sinon.

Papilio (P. U.) Thrax, *Clerck* (part.), *Fabricius*, nec *Linnæus* [P. Sinon ♂, *Cramer*], ♂, *Icones*, pl. 42. fig. 2 (1764); ♀, *Pap. Exot.* iv. pl. 342. figs. D, E (1782).

Fabricius (part.), *Syst. Ent.* p. 533. n. 388 (1775).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

An example of a species allied to *P. Ethlius*, Cramer, represents *P. Thrax* in the Banksian Collection in the British Museum.

4. Talides? Sebaldus.

Papilio (P. U.) Thrax (part.), *Fabricius* [P. Sebaldus, *Cramer*], *Pap. Exot.* iv. pl. 342. figs. A, B (1782).

Fabricius, Mant. Ins. p. 87. n. 795 (1787).

Not in the collection of the British Museum.

Genus 3. PYRRHOPYGA, *Hübner*,

Verz. bek. Schmett. p. 102 (1816).

1. Pyrrhopyga Amyclus.

Hesperia (U.) Amiatus, *Fabricius* [P. Amyclus, *Cramer*], "alis integerrimus, atris, margine postico flavo, capite anoque sanguineis: habitat in America." *Pap. Exot.* iii. p. 347. n. 320 (1781?).

Fabricius, Ent. Syst. iii. p. 347. n. 320 (1793).

South America. (From Mr. Milne's collection) B.M.

This species is figured as *Tamyris Laonome* in Swainson's 'Zool. Illustrations,' with the remark that "it will approach near to *Hesp. Amiatus* of Fabricius;" the figure in Jones's 'Icones' proves it to be identical with it.

2. Pyrrhopyga Acastus.

Papilio (P. U.) Phydias (part.) *Fabricius* [P. Acastus, *Cramer*], *Pap. Exot.* i. pl. 41. figs. C, D (1779).

Fabricius, Sp. Ins. p. 136. n. 632 (1781); *Ent. Syst.* iii. p. 347. n. 319 (1793).

Pará, Lower Amazons. (Presented 1845, by Gordon Grahame, Esq.) B.M.

3. Pyrrhopyga Verbena.

Papilio (P. U.) Phidias, *Fabricius*, nec *Linnæus*, part. *Clerck*, [P. Verbena, *Butler*], "alis integris, atris, nitentibus, margine albis, ore anoque rubris; alis posticis subtus ante marginem rubris." *Clerck, Icon.* pl. 44. figs. 3, 4 (1764); *Ent. Month. Mag.* 1869.

Fabricius, Mant. Ins. p. 90. n. 814 (1787).

South America. (From Mr. Milne's collection) B.M.

4. Pyrrhopyga Phidias.

♂. Papilio (P. U.) Phidias, *Linnæus*, "alæ supra omnes atræ, et cæruleo et viridi parum nitentes; subtus atræ, fascia alba lata in basi secundarum præsertim, quæ ad primores adscendit; margo extimus posticarum albus: habitat in Luzonis" *. *Clerck, Icones*, pl. 44. figs. 1, 2 (1764).

Papilio (P. U.) Mænas, *Fabricius*, "alis integris, viridi-atris, nitentibus, margine albis, posticis subtus fascia alba, ore anoque rubris: habitat in America."

Fabricius, Syst. Ent. p. 534. n. 393 (1775).

P. Mænas, *Fabricius, Mant. Ins.* p. 90. n. 813 (1787); *Ent. Syst.* iii. p. 347. n. 318 (1793).

Pernambuco. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

Linnæus (M. L. U.) describes Cramer's *P. Acastus* as the female of *P. Phidias*; and the two species have been confounded ever since.

5. Pyrrhopyga Zeleucus.

Hesperia (U.) Zeleucus, *Fabricius*, "alis integris, concoloribus, atris; posticis margine albo; capite caudaque sanguineis: habitat in Indiis." P. Zelucus (*sic*), *Donovan, Ins. Ind.* pl. 51. fig. 3 (1800).

Fabricius, Ent. Syst. iii. p. 346. n. 317 (1793).

Brazil. (Obtained 1842) B.M.

6. Pyrrhopyga Lycagus.

Papilio (P. U.) Lycagus, *Cramer*, "alis rotundatis, integerrimis, viridi-cæruleis immaculatis, ano ferrugineo: habitat Surinami." *Pap. Exot.* ii. pl. 176. fig. G (1779).

Fabricius, Sp. Ins. p. 136. n. 633 (1781); *Mant. Ins.* p. 90. n. 815 (1787); *Ent. Syst.* iii. p. 348. n. 322 (1793).

Not in the collection of the British Museum; seems to be allied to *P. Zeleucus*.

7. Pyrrhopyga Arinus.

Papilio (P. U.) Arinus, *Cramer*, "alis ecaudatis, concoloribus atris; anticis macula transversa nivea; ano sanguineo: habitat Surinami." *Pap. Exot.* ii. pl. 100. fig. D (1779).

Fabricius, Sp. Ins. p. 134. n. 617 (1781); *Mant. Ins.* p. 87. n. 792 (1787); *Ent. Syst.* iii. p. 336. n. 276 (1793).

Not in the collection of the British Mnseum.

Section —— (cauda haud coccinea).

8. Pyrrhopyga Gnetus.

Papilio (P. U.) Gnetus, *Fabricius*, "alis dentatis, subconcoloribus,

* Mus. Lud. Ulr.

atris; anticis maculis tribus fenestratis; posticis cæruleo fasciatis: habitat in India." P. Vulcanus, *Cramer, Pap. Exot.* iii. pl. 245. figs. C, D (1782).

Fabricius, Sp. Ins. p. 135. n. 624 (1781); *Mant. Ins.* p. 89. n. 803 (1787); *Ent. Syst.* iii. p. 342. n. 302 (1793).

Not in the collection of the British Museum.

A nearly allied species has hitherto represented *P. Gnetus* in the collection of the British Museum; the type is in the Banksian Cabinet, and differs from Cramer's figure in having a strong marginal projection at the termination of the third median nervule.

Genus 4. HESPERIA *, *Fabricius*, *Ent. Syst.* iii. Gloss. 1. p. 325 (1793).

1. **Hesperia Exclamationis.** Pl. III. fig. 2.

Papilio (P. U.) Exclamationis, *Fabricius*, "alis integris, divaricatis, fuscis; anticis lineola punctoque flavescentibus: habitat in India." *Var.* P. Ladon, *Cramer, Pap. Exot.* iii. pl. 284. fig. G (1782).

Fabricius, Syst. Ent. p. 530. n. 373 (1775); *Sp. Ins.* p. 131. n. 595 (1781); *Mant. Ins.* p. 84. n. 760 (1787); *Ent. Syst.* iii. p. 325. n. 232 (1793).

East Indies. (Presented 1849, by E. Doubleday, Esq.) B.M.

This species is figured, in such a position as to show the note of exclamation, in Jones's 'Icones;' no name, however, is inscribed upon the plate: in the 'Genera' it is referred to the genus *Pamphila*.

2. **Hesperia Pisistratus.**

Hesperia (U.) Pisistratus, *Fabricius*, "alis integerrimis, fuscis; posticis supra disco flavo; subtus fascia nivea, nigro punctata: habitat in America."

Fabricius, Ent. Syst. iii. p. 345. n. 311 (1793).

West Africa. (Presented 1849, by E. Doubleday, Esq.) B.M.

3. **Hesperia Alexis.** Pl. III. fig. 1.

Papilio (P. U.) Alexis, *Fabricius*, "alis ecaudatis, nigricantibus; posticis subtus fascia cærulescente: habitat in India."

Fabricius, Syst. Ent. p. 533. n. 387 (1775); *Sp. Ins.* p. 134. n. 619 (1781); *Mant. Ins.* p. 87. n. 792 (1787); *Ent. Syst.* iii. p. 336. n. 277 (1793).

Coimbatoor, South India. (Presented 1861, by M. J. Walhouse, Esq., Madras Civil Service) B.M.

This species is evidently allied to *P. Chromus*, Cramer (*Goniloba*

* The description applies best to the *Hesperiæ Urbicolæ* of Fabricius.

Chromus in 'Gen. Diurn. Lepid.'), and to *H. Lebadea* of Hewitson. A very distinct species, with a strongly marked white band on the under surface of the hind wings, is figured as *P. Alexis* in Jones's 'Icones.'

4. Hesperia Helirius.

Papilio (P. U.) Helirius, *Cramer*, "alis integerrimis, divaricatis, fuscis, margine nigro; anticis puncto centrali flavo: habitat Surinami." *Pap. Exot.* i. pl. 60. fig. D (1779).

Fabricius, Sp. Ins. p. 131. n. 600 (1781); *Mant. Ins.* p. 85. n. 768 (1787); *Ent. Syst.* iii. p. 328. n. 243 (1793).

Coimbatoor, South India. (Presented 1861, by M. J. Walhouse, Esq., of the Madras Civil Service) B.M.

5. Hesperia Iphis.

Papilio (P. U.) Jupiter, *Fabricius* [P. Iphis, *Drury*], "alis ecaudatis, atris, viridi nitentibus; subtus viridibus, venis margineque nigris, capite anoque sanguineis: habitat in Sierra Leon, Africæ." *Ill.* ii. pl. 15. figs. 3, 4 (1773).

Fabricius, Mant. Ins. p. 87. n. 794 (1787); *Ent. Syst.* iii. p. 336. n. 279 (1793).

Sierra Leone. (Collected 1858, by Mr. James Foxcroft) B.M.

6. Hesperia Bixæ.

Papilio (P. U.) Bixæ, *Linnæus*, "alis rotundatis, fuscis, basi virescentibus; posticis subtus fascia lactea: habitat in America." *Clerck, Icon.* pl. 42. fig. 4 (1764); *Donovan, Nat. Rep.* v. pl. 165 (1827).

Fabricius, Syst. Ent. p. 534. n. 390 (1775); *Sp. Ins.* p. 135. n. 626 (1781); *Mant. Ins.* p. 89. n. 807 (1787); *Ent. Syst.* iii. p. 344. n. 307 (1793).

Ashanti. (Obtained 1844) B.M.

7. Hesperia Scipio.

Hesperia (U.) Scipio, *Fabricius*, "alis ecaudatis, anticis utrinque fascia hyalina alba, supra nigris, subtus viridibus: habitat in Indiis."

Fabricius, Ent. Syst. iii. p. 338. n. 284 (1793).

Not in the collection of the British Museum.

P. Scipio seems to belong to the *P. Bixæ* group of *Hesperia*; it may, however, be a species of *Telegonus* allied to Cramer's *P. Apastus* and Stoll's *P. Narcosius*: in the 'Genera of Diurnal Lepidoptera' it is considered synonymous with the latter.

Genus 5. HESPERILLA, *Hewitson*,
Descriptions of 100 *Hesp.* ii. p. 37 (March 1868).

1. **Hesperilla Dan.**

Papilio (P. U.) Dan, *Fabricius*, "alis ecaudatis, obscure cinereis, fusco punctatis; anticis maculis fenestratis: habitat Tranquebariæ."
Fabricius, Mant. Ins. p. 88. n. 798 (1787); *Ent. Syst.* iii. p. 341. n. 297 (1793).

Java. (Obtained 1835) B.M.

2. **Hesperilla Jacchus.**

Papilio (P. U.) Jacchus, *Fabricius*, "alis ecaudatis, flavo maculatis; posticis subtus punctis sex niveis: habitat in nova Hollandia." *Donovan, Ins. New Holland*, pl. 31. fig. 1 (1805).
Fabricius, Syst. Ent. p. 533. n. 389 (1775); *Sp. Ins.* p. 135. n. 623 (1781); *Mant. Ins.* p. 88. n. 802 (1787); *Ent. Syst.* iii. p. 342. n. 301 (1793).

Australia. (Obtained 1858, collected by Mr. Edward Damel) B.M.

This species, though much like the *P. Symmomus* of Hübner's 'Zuträge' (figs. 225, 226), may be readily distinguished from it; the type is in the Banksian Collection in the British Museum.

3. **Hesperilla Tibullus.**

Hesperia (U.) Tibullus, *Fabricius*, "alis integerrimis, anticis nigris, flavo maculatis, posticis flavis, limbo nigro: habitat in Indiis." *Donovan, Ins. Ind.* pl. 47. fig. 3 (1800).
Fabricius, Ent. Syst. iii. p. 326. n. 235 (1793).

Not in the collection of the British Museum; seems to be allied to *P. Jacchus*.

4. **Hesperilla Gremius.** Pl. III. fig. 7.

Hesperia (U.) Gremius, *Fabricius*, "alis ecaudatis, fuscis, anticis hyalino maculatis maculaque flava; posticis subtus cinereis atro punctatis: habitat in India orientali."
Fabricius, Ent. Syst. suppl. p. 433. n. 282, 283 (1798).

Ceylon. (Obtained 1845, from the Rev. J. Wenham) B.M.

Appears to belong to the *P. Jacchus* group.

5. **Hesperilla Naso.**

Hesperia (U.) Naso, *Fabricius*, "alis integerrimis, divaricatis, supra fuscis, subtus brunneis, margine postico tenuissime fulvo: habitat ad Cap. bon. spei."

Fabricius, Ent. Syst. suppl. p. 431. n. 236, 237 (1798).

Coimbatoor, South India. (Presented 1861, by M. J. Walhouse, Esq., Madras Civil Service) B.M.

The type of this species is referred to as in Daldorff's collection; all the other *Hesperidæ* described in the supplement to the 'Entomologia Systematica' from that collection are Indian; there seems also to be no African species with which the above description would agree.

Genus 6. COBALUS, *Hübner*,

Verz. bek. Schmett. p. 114 (1816).

1. Cobalus Virbius.

Papilio (P. U.) Virbius, *Cramer*, "alis integerrimis, nigris; anticis punctis tribus, posticis apice albis: habitat Surinami." *Pap. Exot.* ii. pl. 143. fig. F (1779).

Fabricius, Sp. Ins. p. 138. n. 641 (1781); *Mant. Ins.* p. 92. n. 829 (1787); *Ent. Syst.* iii. p. 353. n. 343 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

2. Cobalus Saturnus. Pl. III. fig. 10.

Papilio (P. U.) Saturnus, *Fabricius*, "alis divaricatis, fuscis; anticis albo punctatis, posticis subtus striatis: habitat Caiennæ."

Fabricius, Mant. Ins. p. 85. n. 769 (1787); *Ent. Syst.* iii. p. 328. n. 244 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

This species is referred in the 'Genera' to the genus *Pamphila*.

3. Cobalus Philemon. Pl. III. fig. 11.

Papilio (P. U.) Philemon, *Fabricius*, "alis rotundatis, integerrimis, atris immaculatis; antennis uncinatis: habitat in America."

Fabricius, Syst. Ent. p. 534. n. 392 (1775); *Sp. Ins.* p. 136. n. 631 (1781); *Mant. Ins.* p. 89. n. 812 (1787); *Ent. Syst.* iii. p. 346. n. 314 (1793).

Honduras. (Obtained 1845, from Mr. Dyson's collection) B.M.

The type of *P. Philemon* is in the Banksian Collection, and is figured in the unpublished 'Icones' of Mr. Jones. In the 'Genera of Diurnal Lepidoptera' *P. Arcas* of Drury and *P. Flyas* of Cramer are placed as synonyms of this species; neither of them, however, are referable to it.

4. **Cobalus Remus.** Pl. III. fig. 3.

Hesperia (U.) Remus, *Fabricius*, "alis integerrimis, subreversis, nigris; posticis subtus fascia repanda alba, puncto fusco: habitat Caiennæ."

Fabricius, Ent. Syst. suppl. p. 434. n. 348, 349 (1798).

Brazil. (Obtained 1848) B.M.

5. **Cobalus pygmæus.** Pl. III. fig. 12.

Papilio (P. U.) pygmæus, *Fabricius*, "parvus in hoc genere; corpus fuscum, ore albo; antennæ clava elongata, rufescente; alæ omnes fuscæ immaculatæ: habitat in India."

Fabricius, Syst. Ent. p. 536. n. 401 (1775); *Sp. Ins.* p. 139. n. 646 (1781); *Mant. Ins.* p. 92. n. 834 (1787); *Ent. Syst.* iii. p. 354. n. 349 (1793).

——? (Presented 1849, by E. Doubleday, Esq.) B.M.

Hübner figured a species which he considerd to represent this insect (Eur. Schm. pl. 91. fig. 458); it is, however, much too large for the Fabrician species; the latter is represented in the Linnæan Collection, labelled "*P. pygmæus*, Fabr.," on the authority of Mr. Jones. A specimen without a locality, agreeing with the Linnæan insect, also exists in the collection of the British Museum, and answers to the Fabrician description.

Subgenus 1. CARYSTUS, *Hübner*,
Verz. bek. Schmett. p. 114 (1816).

1. **Carystus Phyllus.**

Papilio (P. U.) Marcus, *Fabricius* [P. Phyllus, *Cramer*), "alis ecaudatis, fuscis, hyalino maculatis; posticæ supra fuscæ macula magna media margineque tenuiore albis; subtus fuscis vittis duabus, exteriore marginali, flavescentibus, margo interior fulvus: habitat Caiennæ." *Pap. Exot.* ii. pl. 176. figs. B, C (1779).

Fabricius, Mant. Ins. p. 87. n. 796 (1787); *Ent. Syst.* iii. p. 338. n. 285 (1793).

Venezuela. (Obtained 1847, from Mr. Dyson's collection) B.M.

An allied species has hitherto represented this species in the collection of the British Museum.

2. **Carystus Propertius.**

Hesperia (U.) Propertius, *Fabricius*, "alis divaricatis, nigris, flavo maculatis; posticis subtus fasciis rufis flavisque alternis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 47. fig. 2 (1800); *Hewitson, Exot. Butterf.* iv. *Hesp.* figs. 33, 34 (1869).

Fabricius, Ent. Syst. iii. p. 325. n. 234 (1793).

Brazil. B.M.

3. **Carystus Celsus.**

Hesperia (U.) Celsus, *Fabricius*, "alis integerrimis, concoloribus, atris; anticis fascia flava: habitat in India." *Donovan, Ins. Ind.* pl. 52. fig. 3 (1800).

Fabricius, Ent. Syst. iii. p. 346. n. 316 (1793).

Rio Janeiro. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

4. **Carystus Hiarbus.**

Papilio (P. U.) Thyrsis (part.), *Fabricius* [P. Hiarbus, *Cramer*]. *Pap. Exot.* i. pl. 18. fig. F (1775).

Fabricius, Sp. Ins. p. 133. n. 608 (1781).

Local form, Pará, Lower Amazons. (Presented 1845, by Gordon Grahame, Esq.) B.M.

Genus 7. CERATRICHIA, gen. nov.

Gen. affine *Carysto* et *Cobalo*, Hübner, at minus robustum, alis angustioribus, posticis subpiriformibus, corpore tenuiore, capite autem permagno, oculis exstantibus; antennis longioribus unco terminali obsoleto.

Alæ posticæ subtus punctis subhyalinis serie circulari positis: Generis typus *C. Nothus*, Fabr.

1. **Ceratrichia Nothus.** Pl. III. fig. 15.

Papilio (P. U.) Nothus, *Fabricius*, "alis ecaudatis, fuscis; anticis punctis fenestratis; posticis subtus albis, margine fusco, punctis subocellaribus: habitat in America."

Fabricius, Mant. Ins. p. 88. n. 799 (1787); *Ent. Syst.* iii. p. 341. n. 298 (1793).

West Africa. (Presented 1849, by E. Doubleday, Esq.) B.M.

P. Nothus is figured in Jones's unpublished 'Icones.'

2. **Ceratrichia Phocion.** Pl. III. fig. 14.

Papilio (P. U.) Phocion, *Fabricius*, "alis integerrimis; anticis fuscis, posticis flavis: habitat in Africa æquinoctiali."

Fabricius, Sp. Ins. p. 138. n. 642 (1781); *Mant. Ins.* p. 92. n. 830 (1787); *Ent. Syst.* iii. p. 354. n. 345 (1793).

Sierra Leone. (Presented by the Rev. D. F. Morgan) B.M.

Two wings of the type still remain in the Banksian Collection; *P. Phocion* is figured in Jones's unpublished 'Icones.' Fabricius described three *Hesperidæ* under this name.

Genus 8. EPARGYREUS, *Hübner*,
Verz. bek. Schmett. p. 105 (1816).

1. **Epargyreus Mathias.** Pl. III. fig. 8.

Hesperia (U.) Mathias, *Fabricius*, "alis ecaudatis, fuscis; anticis utrinque hyalino maculatis; posticis subtus punctis albis: habitat in India."

Fabricius, Ent. Syst. suppl. p. 433. n. 289, 290 (1798).

Ceylon. (Presented 1860, by Dr. Templeton) B.M.

2. **Epargyreus Niso.**

Papilio (P. U.) Niso, *Linnæus*, "alis integerrimis, subreversis, fuscis; primoribus supra punctis quatuor albis sparsis; affinis nimium *P. Tages*: habitat ad Cap. bon. spei," *Linn.*; "in America," *Fabr.*

Fabricius, Syst. Ent. p. 535. n. 399 (1775); *Sp. Ins.* p. 138. n. 644 (1781); *Mant. Ins.* p. 92. n. 832 (1787); *Ent. Syst.* iii. p. 354. n. 347 (1793).

Zoolu, S. Africa. (Presented 1848, by G. F. Angas, Esq.) B.M.

There is one specimen labelled "*P. Niso*?," and agreeing with the Linnæan type, in the Banksian Collection; an allied species with two white spots in the hind wings is figured in Jones's 'Icones.'

3. **Epargyreus Nero.** Pl. II. fig. 13.

Hesperia (U.) Nero, *Fabricius*, "alis ecaudatis, fuscis; anticis hyalino maculatis; posticis subtus striga interrupta alba: habitat in Americæ insulis."

Fabricius, Ent. Syst. suppl. p. 433. n. 289, 290 (1798).

St. Domingo. (Obtained 1855, collected by Mr. Tweedie) B.M.

4. **Epargyreus Ethlius.**

Hesperia (U.) Chemnis, *Fabricius* [P. Ethlius, *Cramer*], "alis subcaudatis, fuscis, hyalino maculatis margineque postico flavo: habitat in Indiis." *Pap. Exot.* iv. pl. 392. figs. A, B (1782); *Donovan, Ins. Ind.* pl. 49. fig. 1 (1800).

Fabricius, Ent. Syst. iii. p. 331. n. 257 (1793).

Pernambuco. (Presented 1845, by Mrs. J. P. G. Smith) B.M.

5. **Epargyreus Phineus.**

Papilio (P. U.) Phineus, *Cramer*, "alis subangulatis, divaricatis, fuscis, fascia flava anticarum interrupta: habitat Surinami." *Pap. Exot.* ii. pl. 176. fig. E (1779).

Fabricius, Sp. Ins. p. 132. n. 601 (1781); *Mant. Ins.* p. 85. n. 770 (1787); *Ent. Syst.* iii. p. 329. n. 247 (1793).

Var. East Indies. (Obtained 1849, from Herr J. J. Becker) B.M.

6. Epargyreus? Origines.

Hesperia (U.) Origines, *Fabricius*, "alis divaricatis, concoloribus, fuscis. striga punctorum alborum, anticis basi testaceis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 48. fig. 2 (1800).

Fabricius, Ent. Syst. iii. p. 328. n. 245 (1793).

Not in the collection of the British Museum.

7. Epargyreus Augias.

Papilio (P. U.) Augias, *Linnæus*, "alis divaricatis, fulvis, fascia obliqua margineque postico nigris: habitat in India." *Donovan, Ins. Ind.* pl. 48. fig. 1 (1800)*.

Fabricius, Syst. Ent. p. 531. p. 375 (1775); *Sp. Ins.* p. 131. n. 597 (1781); *Mant. Ins.* p. 84. n. 765 (1787); *Ent. Syst.* iii. p. 327. n. 239 (1793).

Silhet. (Obtained 1847) B.M.

There are two specimens of *P. Augias* in the Banksian Collection in the British Museum.

8. Epargyreus Epictetus.

Hesperia (U.) Epictetus, *Fabricius*, "alis integerrimis, nigris, disco flavo, anticis macula fusca lunula flava; posticis subtus flavis immaculatis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 48. fig. 4 (1800).

Fabricius, Ent. Syst. iii. p. 330. n. 252 (1793).

Santarem, Lower Amazons. (Obtained 1853, collected by H. W. Bates, Esq.) B.M.

Genus 9. PAMPHILA, *Fabricius*,

Illiger's Magaz. vi. p. 287 (1808).

1. Pamphila Phyleus.

Papilio (P. U.) Colon, *Fabricius* [P. Phyleus, *Drury*], "alis divaricatis, fulvis, fascia obliqua margineque postico nigris: habitat in India." *Ill.* i. pl. 13. figs. 4, 5 (1770); *Hübner, Zuträge*, figs. 227, 228 (1806) as *P. Augias*.

Fabricius, Syst. Ent. p. 531. n. 376 (1775); *Sp. Ins.* p. 131. n. 598 (1781); *Mant. Ins.* p. 84. n. 766 (1787); *Ent. Syst.* iii. p. 327. n. 241 (1793).

Jamaica. (Obtained 1845, from Mr. Gosse) B.M.

Var. Hesperia (U.) Vitellius, *Fabricius*, "alis divaricatis, fulvis; anticis macula media margineque, posticis limbo fuscis: habitat in Americæ meridionalis insulis."

Fabricius, Ent. Syst. iii. p. 327. n. 240 (1793).

Jamaica. (Probably from Mr. Milne's collection) B.M.

* Not a good figure.

An allied species from Georgia bears a label with the name *P. Vitellius*, but does not agree with the description of that insect.

2. **Pamphila Sylvanus.**

Papilio (P. U.) Sylvanus, *Esper*, "alis divaricatis, fuscis, maculis quadratis, supra flavis, subtus albis: habitat in Russia boreali." *Eur. Schmett.* i. pt. 1. pl. 36. fig. 1 (1777).

Fabricius, Mant. Ins. p. 84. n. 763 (1787); *Ent. Syst.* iii. p. 326. n. 237 (1793).

S. Europe. (Obtained 1840) B.M.

3. **Pamphila Comma.**

Papilio (P. U.) Comma, *Linnæus*, "alis integerrimis, divaricatis, fulvis, lineola nigra; subtus punctis albis: habitat in Europa."

Fabricius, Syst. Ent. p. 531. n. 374 (1775); *Sp. Ins.* p. 131. n. 596 (1781); *Mant. Ins.* p. 84. n. 761 (1787); *Ent. Syst.* iii. p. 325. n. 233 (1793).

Switzerland. (Presented 1843, by Dr. Dowler) B.M.

There is one specimen of *P. Comma* in the Banksian Collection in the British Museum.

4. **Pamphila Phocion.** Pl. III. fig. 9.

Hesperia (U.) Phocion, *Fabricius*, "alis divaricatis, fuscis; anticis macula strigaque maculari fulvis, posticis immaculatis: habitat in America meridionali."

Fabricius, Ent. Syst. suppl. p. 431. n. 232, 233 (1798).

Ohio*. (Presented 1839, by E. Doubleday, Esq.) B.M.

5. **Pamphila Linea.**

Papilio (P. U.) Linea, *Denis*, "alis integerrimis, divaricatis, fulvis, margine nigro: habitat in *Aira montana*."

Fabricius, Mant. Ins. p. 84. n. 722 (1787); *Ent. Syst.* iii. p. 326. n. 236 (1793).

Turkey. (Obtained 1842, from Herr J. J. Becker) B.M.

6. **Pamphila Taumas.** Pl. II. fig. 14.

Papilio (P. U.) Taumas, *Fabricius*, "alis divaricatis, fuscis, litura baseos fulva lineolaque media atra: habitat in America boreali."

Fabricius, Mant. Ins. p. 84. n. 764 (1787).

H. (U.) Thaumas (*sic*), *Fabricius, Ent. Syst.* iii. p. 327. n. 238 (1793).

United States. (Obtained 1844, from Mr. Dyson's collection) B.M.

Labelled "*P. Cernes*" in the British-Museum collection.

* Registered as "*P. Cernes*, Boisd."

7. Pamphila? Æsculapius.

Papilio (H. U.) Æsculapius, *Fabricius*, "alis integerrimis, nigris, fulvo maculatis, margine flavo punctato: habitat in America boreali."
Fabricius, Ent. Syst. iii. p. 347. n. 321 (1793).

Not in the British-Museum collection; it seems to come near *P. Taumas*, but may possibly belong to the genus *Hesperilla*.

8. Pamphila Nostrodamus.

Hesperia (U.) Nostrodamus, *Fabricius*, "alis divaricatis, fuscis; anticis supra fascia maculari albida; posticis subtus cinereis: habitat in Barbaria." *Herrich-Schäffer, Suppl. Eur. Schmett. Hesper.* pl. 6. figs. 35, 36 (1843).
Fabricius, Ent. Syst. iii. p. 328. n. 246 (1793).

Spain. (Obtained 1850, from Herr J. J. Becker) B.M.

Genus 10. CYCLOPIDES, *Hübner*,
Verz. bek. Schmett. p. 111 (1816).

1. Cyclopides Steropes.

Papilio (P. U.) Aracinthus, *Fabricius* [P. Steropes, *Denis*], "alis rotundatis, integris, fuscis; posticis subtus griseis, maculis ocellaribus albis: habitat in Austria." *Hübner, Eur. Schmett.* i. pl. 94. figs. 473, 474 (1805).
Fabricius, Gen. Ins. p. 271. n. 391, 392 (1776); *Sp. Ins.* p. 136. n. 628 (1781); *Mant. Ins.* p. 89. n. 809 (1787); *Ent. Syst.* iii. p. 344. n. 309 (1793).

Polish Ukraine. (Presented 1843, by Dr. Dowler) B.M.

2. Cyclopides Paniscus.

Papilio (P. U.) Paniscus, *Fabricius*, "alis integerrimis, divaricatis, fuscis, flavo maculatis: habitat Lipsiæ."
Fabricius, Syst. Ent. p. 531. n. 377 (1775); *Sp. Ins.* p. 131. n. 598 (1781); *Mant. Ins.* p. 85. n. 767 (1787); *Ent. Syst.* iii. p. 328. n. 242 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

This species is represented in the Banksian Collection by a specimen of *Pamphila Sylvanus*.

3. Cyclopides? Dioscorides.

Hesperia (U.) Dioscorides, *Fabricius*, "alis integerrimis, flavo maculatis; posticis subtus flavis fusco undatis: habitat Tranquebariæ."
Fabricius, Ent. Syst. iii. p. 329. n. 250 (1793).

Not in the collection of the British Museum.

4. **Cyclopides Metis.**

Papilio (P. U.) Metis, *Linnæus*, "alis integerrimis, fuscis, maculis fulvis sparsis; posticis subtus immaculatis: habitat ad Cap. bon. spei." *Drury, Ill.* ii. pl. 16. figs. 3, 4 (1773).

Fabricius, Syst. Ent. p. 528. n. 360 (1775); *Sp. Ins.* p. 132. n. 603 (1781); *Mant. Ins.* p. 85. n. 772 (1787); *Ent. Syst.* iii. p. 329. n. 249 (1793).

Knysna, S. Africa. (Presented 1859, by Roland Trimen, Esq.) B.M.

There are two worn specimens in the Banksian Collection.

5. **Cyclopides Maro.** Pl. II. fig. 12.

Hesperia (U.) Maro, *Fabricius*, "alis integerrimis, divaricatis, flavis apice fuscis, flavo maculatis; posticis subtus fusco punctatis: habitat in India orientali."

Fabricius, Ent. Syst. suppl. p. 432. n. 242, 243 (1798).

Ceylon. (Presented 1852, by Dr. Templeton, collected by Mrs. Templeton) B.M.

6. **Cyclopides Numitor.**

Hesperia (U.) Numitor, *Fabricius*, "alis integerrimis, fuscis; posticis supra disco flavo; subtus totis flavis immaculatis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 44. fig. 3 (1800).

Race. Hesperia (U.) Bion, *Fabricius*, "alis divaricatis, fuscis; anticis macula marginali, posticis disco fulvis: habitat in America meridionali."

Fabricius, Ent. Syst. iii. p. 324. n. 228 (1793); *Ent. Syst.* suppl. p. 432. n. 240, 241 (1798).

P. Numitor, St. John's Bluff, E. Florida. (Presented 1839, by E. Doubleday Esq.) B.M.

P. Bion, Central America? B.M.

Genus 11. TARACTROCERA, gen. nov.

Gen. affine *Pyrgo*, alis autem angustioribus, palpis erectis, antennisque clava distincta Argynniformi, brevioribus.

1. **Taractrocera Mævius.** Pl. III. fig. 13.

Hesperia (U.) Mævius, *Fabricius*, "alis integris, supra nigris, subtus virescentibus, utrinque lineis maculisque albidis: habitat in India orientali."

Fabricius, Ent. Syst. iii. p. 352. n. 388 (1793).

Ceylon. (Obtained 1853) B.M.

In the 'Genera of Diurnal Lepidoptera' *P. Mævius* is placed amongst the "*Hesperidæ* of doubtful location."

Var. Hesperia (U.) Flaccus, *Fabricius*, "alis integerrimis, reversis,

fuscis, anticis hyalino punctatis; posticis puncto fasciaque albis: habitat in India orientali."

Fabricius, Ent. Syst. suppl. p. 434. n. 347, 348 (1798).

Ceylon. (Presented 1852, by Dr. R. Templeton, collected by Mrs. Templeton) B.M.

This seems to be only an albino form of *P. Mævius*.

Genus 12. PYRGUS, *Hübner*,

Verz. bek. Schmett. p. 109 (1816).

1. Pyrgus Pelopidas.

Hesperia (U.) Pelopidas, *Fabricius*, "alis integerrimis, anticis obscure cinereis lineola media fusca, posticis cinereis: habitat in Indiis."

Fabricius, Ent. Syst. iii. p. 350. n. 331 (1793).

Seems, from Donovan's drawing in the Hope Collection at Oxford, to be nearly allied to *P. Arsalte*, but larger; the front wings are grey, the hind wings nearly white, with a central waved band and dark submarginal spots.

2. Pyrgus Arsalte.

Papilio (P. U.) Menalcas, *Fabricius* [P. Arsalte, *Linnæus*], "alis integerrimis, concoloribus albis, margine nigro: habitat in Indiis."

Fabricius, Syst. Ent. p. 535. n. 397 (1775); *Sp. Ins.* p. 138. n. 639 (1781); *Mant. Ins.* p. 91. n. 826 (1787); *Ent. Syst.* iii. p. 353. n. 340 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

3. Pyrgus Galenus.

Hesperia (U.) Galenus, *Fabricius*, "alis integerrimis, concoloribus, fuscis, flavo maculatis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 50. fig. 3 (1800).

Fabricius, Ent. Syst. iii. p. 350. n. 332 (1793).

——? (Presented by E. Doubleday, Esq.) B.M.

4. Pyrgus Syrichtus.

Papilio (P. U.) Syrichtus, *Fabricius*, "alis rotundatis, integris, nigro alboque variis; posticis subtus cinereis strigis undatis nigris: habitat in America."

Fabricius, Syst. Ent. p. 534. n. 394 (1775); *Sp. Ins.* p. 137. n. 634 (1781); *Mant. Ins.* p. 90. n. 816 (1787); *Ent. Syst.* iii. p. 349. n. 326 (1793).

Honduras. (Obtained 1845, from Mr. Dyson's collection) B.M.

Fabricius, in his 'Ent. Syst.,' quotes *P. Oileus* of Linnæus as a synonym of this species; Linnæus, however, states that his species comes from Algeria.

5. Pyrgus Hemes.

Papilio (P. U.) Hemes, *Cramer*, "alis rotundatis, integerrimis, atris; anticis macula, posticis fascia albis: habitat Surinami." *Pap. Exot.* ii. p. 103. fig. F (1779).

Fabricius, Sp. Ins. p. 136. n. 629 (1781); *Mant. Ins.* p. 89. n. 810 (1787); *Ent. Syst.* iii. p. 345. n. 312 (1793).

Pará, Lower Amazons. (Obtained 1851, collected by H. W. Bates, Esq.) B.M.

6. Pyrgus Cæsar.

Hesperia (U.) Cæsar, *Fabricius*, "alis integerrimis, anticis fuscis, fenestrato-maculatis, posticis atris macula media nivea: habitat in Indiis.

Fabricius, Ent. Syst. iii. p. 340. n. 294 (1793).

Not in the British-Museum collection. It seems to differ from *P. Hemes* chiefly in having the band of the hind wings divided by the nervures.

7. Pyrgus Spio.

Papilio (P. U.) Spio, *Linnæus*, "alis integerrimis, reversis, nigricantibus undique albo maculatis: habitat ad Cap. bon. spei." *Donovan, Ins. Ind.* pl. 50. fig. 5* (1800).

Fabricius, Syst. Ent. p. 535. n. 400 (1775); *Sp. Ins.* p. 139. n. 645 (1781); *Mant. Ins.* p. 92. n. 833 (1787); *Ent. Syst.* iii. p. 354. n. 348 (1793).

Congo. (Presented 1843, by Dr. Richardson, collected by A. Curror, Esq., Surgeon, R.N.) B.M.

Although Linnæus describes this species (Mus. Lud. Ulr.) as coming from the Cape of Good Hope, Fabricius gives the locality "In India."

8. Pyrgus Galba.

Hesperia (U.) Galba, *Fabricius*, "alis integris, divaricatis, nigris, albo punctatis; posticis subtus griseis, fasciis duabus albis: habitat Tranquebariæ."

Fabricius, Ent. Syst. iii. p. 352. n. 337 (1793).

Ceylon. (Presented 1852, by Dr. R. Templeton, collected by Mrs. Templeton) B.M.

This species is closely allied to *P. Spio* and *P. Malvæ*.

* Donovan's figure is not good.

9. **Pyrgus Malvæ.**

Papilio (P. U.) Malvæ, *Linnæus*, "alis dentatis, divaricatis, nigris, albo maculatis: habitat in *Malva althæa*." P. Alveolus, *Hübner*, *Eur. Schmett.* i. pl. 92. figs. 466, 467 (1805).

Var. Papilio (P. U.) Fritillum, *Fabricius*, "alis integris, divaricatis, nigris albo punctatis: habitat in Germaniæ *Dipsaco fullonum*." P. Malvæ, var., *Esper*, *Eur. Schmett.* i. pt. 2. pl. 51. fig. 2 (1777)*.

Var. Papilio (P. U.) Lavateræ, *Fabricius*, "alis integris, fuscis; anticis albo maculatis; posticis punctatis, omnibus lunula media nivea: habitat Kiliæ"†.

Fabricius, Syst. Ent. p. 535. n. 396 (1775); *Sp. Ins.* p. 137 n. 638 (1781); *Mant. Ins.* pp. 90, 91, n. 821, 824, 825 (1787); *Ent. Syst.* iii. pp. 350, 351, 353, n. 333, 336, 339 (1793).

France. (Obtained 1841, probably from Herr J. J. Becker) B.M.

10. **Pyrgus Nerva.**

Hesperia (U.) Nerva, *Fabricius*, "alis integerrimis; anticis fuscis, albo maculatis, posticis supra nigris immaculatis: habitat in Indiis."

Fabricius, Ent. Syst. iii. p. 340. n. 293 (1793).

Id.? Europe. (Presented 1848, by W. C. Hewitson, Esq.) B.M.

The upper surface of this species, as figured in Jones's 'Icones,' and copied by Donovan in his unpublished drawings at Oxford, is very like Esper's *P. Sidæ*, only the hind wings show no trace of discal spots.

11. **Pyrgus Sidæ.**

Papilio (P. U.) Sidæ, *Esper*, "alis integris, divaricatis, nigro albo punctatis; posticis subtus cinereis fasciis duabus flavis: habitat in Russia australiore." *Eur. Schmett.* i. pt. 2. pl. 90. fig. 3 (1777). P. Malvæ, *Hübner*, *Eur. Schmett.* i. figs. 450, 451 (1805)‡.

Fabricius, Mant. Ins. p. 91. n. 823 (1787); *Ent. Syst.* iii. p. 351. n. 335 (1793).

Turkey. (Obtained 1846, from Dr. Trivaldszky) B.M.

12. **Pyrgus Alceæ.**

Papilio (P. U.) Alceæ, *Esper*, "alis divaricatis, fusco cinereoque variis; anticis punctis fenestratis, posticis subtus cinereis immaculatis: habitat in Russia meridionali." *Eur. Schmett.* i. pt. 2. pl. 51. fig. 3 (1777).

Fabricius, Mant. Ins. p. 90. n. 822 (1787); *Ent. Syst.* iii. p. 351. n. 334 (1793).

Switzerland. (Presented 1843, by Dr. Dowler) B.M.

* Identical with *P. Althea*, Borkh., of Stephens in col. Brit. Mus.
† Turkey in Europe.
‡ This has nothing to do with the *P. Malvæ* of Linnæus.

Genus 13. TAGIADES, *Hübner*,
Verz. bek. Schmett. p. 108 (1816).

1. **Tagiades Tryxus.**

Hesperia (U.) Salvianus, *Fabricius* [P. Tryxus, *Cramer*], "alis integerrimis, fuscis, viridi maculatis; posticis subtus albis, striga marginali punctorum fuscorum: habitat in Indiis." *Pap. Exot.* iv. pl. 334. figs. G, H (1782). *Donovan, Ins. Ind.* pl. 50. fig. 2 (1800).

Fabricius, Ent. Syst. iii. p. 348. n. 325 (1793).

Honduras. (Obtained 1845, from Mr. Dyson's collection) B.M.

2. **Tagiades Clito.** Pl. III. fig. 5.

Papilio (P. U.) Clito, *Fabricius*, "alis integris, concoloribus, nigris; anticis punctis, posticis fascia, albis: habitat Caiennæ."

Fabricius, Mant. Ins. p. 91. n. 828 (1787); *Ent. Syst.* iii. p. 353. n. 342 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

3. **Tagiades Folus.**

Hesperia (U.) Cicero, *Fabricius* [P. Folus, *Cramer*], "alis rotundatis, fuscis; anticis maculis, posticis disco, albo-hyalinis: habitat in India orientali." *Pap. Exot.* i. pl. 74. fig. F (1779).

Fabricius, Ent. Syst. iii. p. 338. n. 287 (1793).

Moulmein, East Indies. (Presented 1843, by Archdeacon Clerk) B.M.

4. **Tagiades Atticus.**

Hesperia (U.) Atticus, *Fabricius*, "alis rotundatis, anticis fuscis, nigro maculatis punctisque fenestratis, posticis hyalinis atro maculatis: habitat in India."

Fabricius, Ent. Syst. iii. p. 339. n. 288 (1793).

Nepal. (Presented by Major-General T. Hardwicke) B.M.

This species is allied to Cramer's *P. Japetus*; the description, however, is rather imperfect.

Genus 14. PHAREAS, *Westwood*,
Gen. Diurn. Lepid. p. 515 (1852).

1. **Phareas Talaüs.**

♀. Papilio (P. R.) Talaüs, *Linnæus*, "alis integerrimis, concoloribus, fuscis; anticis punctis albis basique sanguineis, posticis disco albo: habitat in Indiis." *Clerck, Icon.* pl. 45. fig. 1 (1764).

♂. Papilio (P. R.) Priassus, *Linnæus*, "alis integerrimis, nigris, concoloribus; anticis fascia duplici fulva: habitat in Indiis." P. Peleus, *Clerck, Icon.* pl. 45. fig. 5 (1764).

Fabricius, Syst. Ent. pp. 528, 529, n. 363, 366 (1775); *Sp. Ins.* pp. 128, 130, n. 583, 591 (1781); *Mant. Ins.* pp. 83, 90, n. 755, 818 (1787); *Ent. Syst.* iii. pp. 323, 349, n. 224, 328 (1793).

Brazil. (♂ obtained 1847, ♀ obtained 1839) B.M.

2. **Phareas Eumelus.**

Papilio (P. U.) Eumelus, *Cramer*, "alis rotundatis, integerrimis, anticis atris, albo maculatis; posticis fulvis, nigro venosis: habitat Surinami." *Pap. Exot.* ii. pl. 156. fig. E (1779).

Fabricius, Sp. Ins. p. 136. n. 630 (1781); *Mant. Ins.* p. 89. n. 811 (1787); *Ent. Syst.* iii. p. 345. n. 313 (1793).

Not in the collection of the British Museum; seems to be intermediate between *P. Talaüs* and *P. Gentius*.

3. **Phareas Gentius.**

Papilio (P. U.) Gentius, *Cramer*, "alis integris, concoloribus, flavis, limbo atro; anticarum fasciis flavis: habitat Surinami." *Pap. Exot.* ii. pl. 179. fig. C (1779).

Fabricius, Sp. Ins. p. 137. n. 697 (1781); *Mant. Ins.* p. 90. n. 820 (1787); *Ent. Syst.* iii. p. 350. n. 330 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

We have an insect from Pará closely allied to *P. Talaüs*, but differing in having the hind wings pale yellow, with a narrow border exactly corresponding to that of *P. Gentius*: may it not be the female of this species?

4. **Phareas Neleus.**

Papilio (P. R.) Neleus, *Linnæus*, "alis integerrimis, concoloribus, nigris; anticis punctis decem albis; posticis disco toto albis: habitat in Indiis." P. Nileus (*sic*), *Clerck, Icon.* pl. 45. fig. 2 (1764).

Fabricius, Syst. Ent. p. 528. n. 361 (1775); *Sp. Ins.* p. 128. n. 581 (1781); *Mant. Ins.* p. 83. n. 746 (1787); *Ent. Syst.* iii. p. 318. n. 203 (1793).

Amazons ("Nauta"). (Obtained 1858, collected by M. Degand) B.M.

5. **Phareas Procas.**

Hesperia (R.) Procas, *Cramer*, "alis integerrimis, concoloribus atris, disco maculaque anticarum flavis: habitat Surinami." *Pap. Exot.* ii. pl. 179. fig. D (1779).

Fabricius, Ent. Syst. iii. p. 308. n. 170 (1793).

Tunantins River, Amazons. (Obtained 1857, collected by H. W. Bates, Esq.) B.M.

6. **Phareas Busiris.**

Hesperia (U.) Busiris, *Fabricius*, "alis oblongis, integerrimis, atris; anticis maculis punctisque duobus flavis; posticis disco flavo: habitat in Indiis." *Donovan, Ins. Ind.* pl. 52. fig. 2 (1800).
Fabricius, Ent. Syst. iii. p. 345. n. 310 (1793).

Not in the collection of the British Museum; possibly allied to *P. Phorcas*.

Genus 15. PYTHONIDES, *Hübner* *,
Verz. bek. Schmett. p. 110 (1816).

1. **Pythonides Jovianus.**

Hesperia (U.) Jovianus, *Fabricius*, "alis concoloribus atris; posticis cæruleo alboque radiatis: habitat in Indiis." *Donovan, Ins. Ind.* pl. 50. fig. 1 (1800).
Fabricius, Ent. Syst. iii. p. 348. n. 324 (1793).

Brazil. (Obtained 1848) B.M.

2. **Pithonides Tertullianus.**

Hesperia (U.) Tertullianus, *Fabricius*, "alis integerrimis, rotundatis, cærulescentibus, nigro maculatis, anticisque albo punctatis: habitat in Indiis."
Fabricius, Ent. Syst. iii. p. 341. n. 295 (1793).

We have a species from Brazil agreeing in its markings with *P. Tertullianus*; the latter, however, according to Donovan's figure (Bibl. Hope, Oxf.), differs in being uniformly blue above and with red spots on the hind wings.

3. **Pythonides Cerealis.**

Hesperia (U.) Orcus, *Fabricius* [P. Cerealis, *Cramer*], "alis rotundatis, fuscis; anticis flavo maculatis; posticis subtus cærulescentibus: habitat in Indiis." *Pap. Exot.* iv. pl. 392. figs. N, O (1782); *Donovan, Ins. Ind.* pl. 52. fig. 1 (1800).
Fabricius, Ent. Syst. iii. p. 341. n. 296 (1793).

Pará, Lower Amazons. (Obtained 1849, collected by H. W. Bates, Esq.) B.M.

Genus 16. ACHLYODES, *Hübner*,
Verz. bek. Schmett. p. 108 (1816).

1. **Achlyodes Mithridates.**

Hesperia (U.) Mithridates, *Fabricius*, "alis rotundatis, atris, macula fasciaque postica purpureis, lunulis pallidioribus: habitat in Indiis." *Donovan, Ins. Ind.* pl. 49. fig. 3 (1800).

* The species of this genus are now generally described as *Leucochitoneæ*.

Fabricius, Ent. Syst. iii. p. 336. n. 278 (1793).

Jamaica. (Obtained 1845, from Mr. Gosse) B.M.

Donovan's figure of *P. Mithridates* is extravagantly coloured; the bands upon the insect itself scarcely show, excepting in a bright light, and are of a glossy deep purple colour.

2. **Achlyodes Busiris.**

Papilio (P. U.) Sebaldus, *Fabricius* [P. Busiris, *Cramer*], "alis ecaudatis, fusco atroque variis; posticis subtus angulo ani flavo: habitat in America." *Pap. Exot.* iii. pl. 261. figs. A–C (1782).

Fabricius, Mant. Ins. p. 89. n. 805 (1787); *Ent. Syst.* iii. p. 343. n. 305 (1793).

Rio Janeiro. (Obtained 1850, from the voyage of H.M.S. 'Rattlesnake,' collected by Mr. John Macgillivray) B.M.

3. **Achlyodes Thrasibulus.**

Hesperia (U.) Thrasibulus, *Fabricius*, "alis integerrimis, atris, lunulis cæruleis; posticis subtus angulo ani cinereo, fusco punctato: habitat in Indiis." *Donovan, Ins. Ind.* pl. 49. fig. 4 (1800).

Fabricius, Ent. Syst. iii. p. 346. n. 315 (1793).

Santarem, Lower Amazons. (Obtained 1853, collected by H. W. Bates, Esq.) B.M.

4. **Achlyodes Curtius.**

Hesperia (U.) Curtius, *Fabricius*, "alis integerrimis, concoloribus nigris; anticis punctis quatuor albis; posticis immaculatis: habitat Surinami."

Fabricius, Ent. Syst. iii. p. 354. n. 344 (1793).

Not in the British-Museum collection; it seems, from the form of its antennæ, as shown in Donovan's unpublished drawing, to belong to this genus.

Genus 17. NISONIADES, *Hübner*,

Verz. bek. Schmett. p. 108 (1816).

1. **Nisoniades Catullus.**

Hesperia (U.) Catullus, *Fabricius*, "alis rotundatis, integerrimis, atris; anticis albo punctatis; posticis striga punctorum alborum: habitat in Indiis." *Donovan, Ins. Ind.* pl. 50. fig. 4 (1800).

Fabricius, Ent. Syst. iii. p. 348. n. 323 (1793).

Not in the collection of the British Museum.

2. **Nisoniades Tages.**

Papilio (P. U.) Tages, *Linnæus*, "alis denticulatis, divaricatis, fuscis, obsolete albo punctatis: habitat in Europa."

Fabricius, Syst. Ent. p. 535. n. 398 (1775); *Sp. Ins.* p. 138.

n. 643 (1781); *Mant. Ins.* p. 92. n. 830 (1787); *Ent. Syst.* iii. p. 354. n. 346 (1793).

Germany. (Obtained 1841, from Herr J. J. Becker) B.M.

There are two specimens of *P. Tages* in the Banksian Collection in the British Museum.

3. Nisoniades Juvenalis.

Hesperia (U.) Juvenalis, *Fabricius*, "alis ecaudatis, fuscis, anticis atro maculatis, alboque punctatis: habitat in America." *Boisduval & Leconte, Lép. Am. Sept.* pl. 65 (1833).

Fabricius, Ent. Syst. iii. p. 339. n. 291 (1793).

Georgia. (From Mr. Milne's collection) B.M.

4. Nisoniades Clericus.

Hesperia (U.) Clericus, *Fabricius*, "alis rotundatis, fuscis, nigro subfasciatis; anticis punctis fenestratis: habitat in America meridionali."

Fabricius, Ent. Syst. iii. p. 339. n. 289 (1793).

Jamaica. (Obtained 1845, from Mr. Gosse) B.M.

5. Nisoniades Mimas.

Papilio (P. U.) Mimas, *Cramer*, "alis integerrimis, fuscis, margine ferrugineis; subtus striga punctorum nigrorum: habitat Surinami." *Pap. Exot.* i. pl. 52. figs. E, F (1779).

Fabricius, Sp. Ins. p. 137. n. 636 (1781); *Mant. Ins.* p. 90. n. 819 (1787); *Ent. Syst.* iii. p. 349. n. 329 (1793).

Not in the British-Museum collection; we have, however, a nearly allied species from Congo.

6. Nisoniades Flesus.

Papilio (P. U.) Flesus, *Fabricius*, "alis ecaudatis, fuscis, anticis fenestrato-maculatis; posticis subtus disco albo nigro punctato: habitat in Africa æquinoctiali."

Fabricius, Sp. Ins. p. 135. n. 621 (1781); *Mant. Ins.* p. 88. n. 797 (1787); *Ent. Syst.* iii. p. 338. n. 286 (1793).

Ashanti. (Obtained 1844) B.M.

The type of *P. Flesus* is in the Banksian Collection; the species has hitherto stood in the National collection as the *P. Ophion* of Drury.

LEPIDOPTERA HETEROCERA

à Fabricio cum Rhopaloceris commixta.

Genus 1. URANIA, *Fabricius*,

Illiger's Mayaz. vi. p. 279 (1808).

1. Urania Leilus.

Papilio (E. A.) Leilus, *Linnæus*, "alis caudatis, concoloribus, nigris, fascia strigisque viridibus nitentibus numerosis: habitat in America." *Clerck, Icones*, pl. 27. fig. 1 (1864).

Fabricius, Syst. Ent. p. 449. n. 31 (1775); *Sp. Ins.* p. 12. n. 48 (1781); *Mant. Ins.* p. 7. n. 54 (1787); *Ent. Syst.* iii. p. 21. n. 63 *b* (1793).

South America. B.M.

The species of *Urania* are said to be nocturnal insects; there is one mutilated specimen of *P. Leilus* in the Banksian Collection in the British Museum.

2. Urania Orientalis.

Papilio (E. A.) Ripheus (*sic*), *Fabricius* [P. Orientalis, *Swainson*], "alis sexdentato-caudatis, nigris, viridi fasciatis; posticis subtus macula ani ferruginea nigro punctata: habitat in Coromandel." P. Rhipheus, *Cramer, Pap. Exot.* iv. pl. 385. figs. A, B (1782).

Fabricius, Mant. Ins. p. 6. n. 43 (1787); *Ent. Syst.* iii. p. 21. n. 62 *b* (1793).

Madagascar. (Obtained 1855) B.M.

The *P. Rhipheus* of Drury (Ill. ii. pl. 23. figs. 1, 2), excepting in the veining of its wings, which in the figure is very like that of *Urania*, has all the appearance of a butterfly; it may perhaps be a Mascarene species mimicked by, or mimicking Cramer's *P. Rhipheus*: both species are admirably figured by Swainson, Zool. Ill. 2nd ser. (1832–3). Fabricius described *P. Rhipheus* as a variety of *P. Leilus*.

Genus 2. NYCTALÆMON, *Dalman*,

Vet. Acad. Handl. (1824).

1. Nyctalæmon Orontes.

Papilio (E. A.) Orontes, *Linnæus*, "alis caudatis, nigris, fasciis duabus virescentibus, caudis albis distantibus: habitat in India." *Clerck, Icones*, pl. 26. fig. 1 (1764).

Fabricius, Syst. Ent. p. 455. n. 50 (1775); *Sp. Ins.* p. 20. n. 80. (1781); *Mant. Ins.* p. 10. n. 91 (1787); *Ent. Syst.* iii. p. 69. n. 214 (1793).

Not in the British-Museum collection (see Ent. Month. Mag. v. April 1869).

2. Nyctalæmon Patroclus.

Papilio (E. A.) Patroclus, *Linnæus*, "alis caudatis, concoloribus fuscis, fascia lineari obliqua alba apicibusque albis: habitat in Indiis." *Clerck, Icones*, pl. 37. fig. 1 (1764).

Fabricius, Syst. Ent. p. 450. n. 34 (1775); *Sp. Ins.* p. 13. n. 53 (1781); *Mant. Ins.* p. 7. n. 59 (1787).

Not in the British-Museum collection (see Ent. Month. Mag. v. April 1869).

3. Nyctalæmon Ægisthus.

Papilio (E. A.) Ægisthus, *Fabricius*, "alis caudatis, fusco luteoque undulatis; ocellis caudalibus subternis: habitat in Indiis." P. Lunus (part.), *Cramer, Pap. Exot.* iii. pl. 200. figs. B, C (1781), but not of *Linnæus*.

Fabricius, Sp. Ins. p. 20. n. 82 (1781); *Mant. Ins.* p. 10. n. 93 (1787).

P. (N.) Ægistus (*sic*), *Fabricius, Ent. Syst.* iii. p. 69. n. 215 (1793).

St. Domingo. B.M.

The type of *P. Ægisthus* is in the Banksian Collection; it agrees with the *P. excavatus* of Walker.

Genus 3. CASTNIA, *Fabricius*,
Illiger's Magaz. vi. p. 280 (1807).

Section Cephonodes (part.), *Hübner*,
Verz. bek. Schmett. p. 131 (1816).

1. Castnia Pelasgus.

Papilio (D. F.) Pelasgus, *Cramer*, "alis integerrimis, concoloribus; anticis virescentibus, fascia fulva; posticis nigris immaculatis: habitat Surinami." *Pap. Exot.* iii. pl. 202. fig. D (1781).

Fabricius, Sp. Ins. p. 54. n. 236 (1781); *Mant. Ins.* p. 26. n. 274 (1787); *Ent. Syst.* iii. p. 46. n. 139 (1793).

Brazil. B.M.

Castnia (true).

2. Castnia Dædalus.

Papilio (D. F.) Cyparissias, *Fabricius* [P. Dædalus, *Cramer*], "alis integerrimis, nigris, fasciis duabus albis, anteriorum obliquis, posteriorum punctatis: habitat in America meridionali." *Pap. Exot.* i. pl. 1. figs. A, B (1775).

Fabricius, Gen. Ins. p. 257. n. 160, 161 (1776); *Sp. Ins.* p. 52. n. 220 (1781); *Mant. Ins.* p. 25. n. 259 (1787); *Ent. Syst.* iii. p. 39. n. 115 (1793).

Not in the British-Museum collection.

3. Castnia Cochrus.

Papilio (D. F.) Cochrus, *Fabricius*, "alis integerrimis, concoloribus atris; fascia maculari alba; abdomine sanguineo, cingulis atris: habitat . . . . ."

Fabricius, Mant. Ins. p. 25. n. 263 (1787); *Ent. Syst.* iii. p. 42. n. 125 (1793).

Brazil. B.M.

4. Castnia Licus.

♀. Papilio (D. F.) Licas (*sic*). *Fabricius* [♂, P. Licus, *Cramer*], "alis integerrimis, fuscis; anticis fasciis duabus, posticis unica, albis, maculisque rubris; subtus cinereis albo fasciatis: habitat Surinami." *Pap. Exot.* iii. pl. 223. figs. A, B (1782).

Fabricius, Mant. Ins. p. 26. n. 273 (1787); *Ent. Syst.* iii. p. 45. n. 136 (1793).

Pará, Lower Amazons. (Collected by H. W. Bates, Esq.) B.M.

The Fabrician type and a second specimen are in the Banksian Collection in the British Museum.

5. Castnia Evalthe.

Papilio (D. F.) Evalthe, *Fabricius*, "alis integerrimis, fuscis; anticis fasciis duabus flavis; posticis fascia flava rubraque: habitat in Indiis."

Fabricius, Syst. Ent. p. 480. n. 166 (1775); *Sp. Ins.* p. 53. n. 235 (1781).

P. Eccalthe (*sic*), *Fabricius, Mant. Ins.* p. 26. n. 272 (1787); *Ent. Syst.* iii. p. 45. n. 136 (1793).

Mexico. B.M.

6. Castnia Syphax.

Papilio (D. F.) Syphax, *Fabricius*, "alis integerrimis, atris; anticis fascia alba; posticis rubra marginali: habitat in Indiis." P. Harmodius, *Cramer, Pap. Exot.* iii. pl. 223. figs. C, D (1782).

Fabricius, Syst. Ent. p. 480. n. 165 (1775); *Sp. Ins.* p. 53. n. 234 (1781); *Mant. Ins.* p. 26. n. 271 (1787); *Ent. Syst.* iii. p. 45. n. 135 (1793).

Pará, Lower Amazons. (Presented by Mrs. J. P. G. Smith) B.M.

There is one specimen of *P. Syphax* in the Banksian Collection in the British Museum.

7. Castnia Phalaris.

♀. Papilio (F.) Phalaris, *Fabricius*, "alis integerrimis, fuscis; posticis strigis duabus maculariibus albis: habitat . . . . . ." P. Mimon, *Hübner, Exot. Schmett.* ii. pl. 142 (1806).

Fabricius, Ent. Syst. iii. p. 45. n. 38 (1793).

Brazil. B.M.

P. Mygdon of Dalman is the male of this species.

8. **Castnia Chremes.**

Papilio (F.) Chremes, *Fabricius*, "alis integerrimis, obscuris; posticis rubris, supra fasciis atris; subtus puncto medio niveo: habitat in Africa."

Fabricius, Ent. Syst. iii. p. 47. n. 44 (1793).

Brazil. B.M.

Genus 4. PERICOPIS, *Hübner*,

Verz. bek. Schmett. p. 175 (1816).

1. **Pericopis Nasica.**

Papilio (H.) Nasica, *Fabricius*, "alis oblongis, integerrimis, atris; anticis fasciis duabus; posticis disco flavis: habitat . . . . ."

Fabricius, Ent. Syst. iii. p. 169. n. 523 (1793).

Pará, Lower Amazons. (Obtained 1850, collected by H. W. Bates, Esq.) B.M.

This is the *P. perspicua* of Walker (Lep. Het. ii. p. 344. n. 1); it is figured in Jones's 'Icones.' The insect registered as from Tapajos differs from *P. Nasica* as follows:—"Alæ supra fascia media flava late disrupta, punctis tribus vel quatuor costalibus coccineis, maculaque interiore flava, basalibus." This species may take the name of *Pericopis ignita*.

Genus 5. CALLIDULA, *Hübner*,

Verz. bek. Schmett. p. 66 (1816).

1. **Callidula Thymetus.**

♀. Papilio (D. F.) Thymetus, *Fabricius*, "alis oblongis, integerrimis, flavis limbo communi fusco; subtus flavescentes fulvo undulatæ: habitat . . . . . ." Call. Erycinata ♀, *Walker, Lep. Het.* suppl. p. 60 (1864).

Fabricius, Mant. Ins. p. 30. n. 320 (1787); *Ent. Syst.* iii. p. 56. n. 173 (1793).

Dorey, New Guinea. (Collected by A. R. Wallace, Esq.) B.M.

Genus 6. AMNEMOPSYCHE, *Butler*,

Proc. Zool. Soc. p. 44 (1869).

1. **Amnemopsyche Charmione.**

Papilio (D. C.) Charmione, *Fabricius*, "alis rotundatis, integerrimis, concoloribus albis, limbo nigro; anticarum maculis duabus flavis, posticarum unica: habitat in Insula Johanna." *Donovan, Nat. Rep.* v. pl. 171 (1827); *P. Z. S.* p. 44. fig. 2 (1869).

Fabricius, Ent. Syst. iii. p. 205. n. 641 (1793).

——?* (From Mr. Milne's collection) B.M.

* Probably the type of the species.

P. Charmione has a certain amount of resemblance to *Eudesmia ruficollis* of Hübner.

Genus 7. CHALCOSIA, *Hübner*,

Verz. bek. Schmett. p. 173 (1816).

1. Chalcosia Thallo.

Papilio (H.) Thallo, *Linnæus*, "alis oblongis, integerrimis, nigris; anticis fasciis duabus, posticisque unica, flavis: habitat in China." *Edwards's Gleanings*, pt. 1, 2, pl. 226. "The little black-and-white butcherfly."

Fabricius, Syst. Ent. p. 463. n. 91 (1775); *Sp. Ins.* p. 32. n. 133 (1781); *Mant. Ins.* p. 16. n. 155 (1787); *Ent. Syst.* iii. p. 173. n. 537 (1793).

Ceylon, "*C. Tiberina.*" B.M.

Genus 8. ETERUSIA, *Hope*,

Trans. Linn. Soc. xviii. p. 445 (1840).

1. Eterusia Ædea.

Papilio (H.) Ædea, *Linnæus*, "alis oblongis, integerrimis, albo maculatis; anticis virescentibus; posticis fascia flava: habitat in Indiis." *Clerck, Icones*, pl. 41. fig. 2 (1764).

Fabricius, Syst. Ent. p. 463. n. 90 (1775); *Sp. Ins.* p. 32. n. 132 (1781); *Mant. Ins.* p. 16. n. 154 (1787); *Ent. Syst.* iii. p. 173. n. 536 (1793).

Ceylon. (Presented 1852, by Dr. R. Templeton; collected by Mrs. Templeton) B.M.

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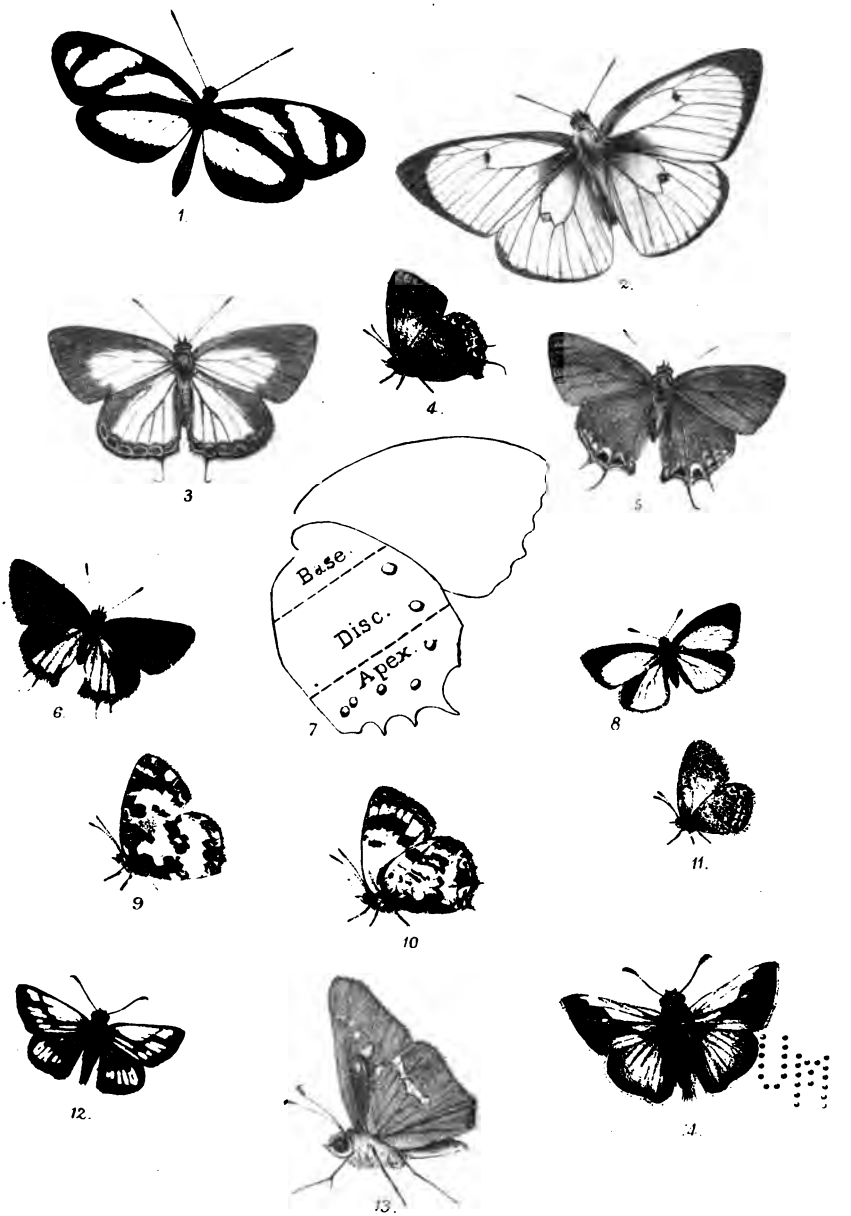

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